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Armstrong State College

1989-90 Catalog

A senior residential college in Savannah, Georgia

Accreditation: Armstrong State College is a senior college in the University System of Georgia. It is accredited by the Southern Association of Colleges and Schools Commission on Colleges.

Academic Calendar ±

	Fall, 1989	Winter, 1990	Spring, 1990	Summer, 1990	
	(11 weeks)	(11 weeks)	(11 weeks)	Session I (4 & 8 weeks)	Session II (4 weeks)
Freshman Applications Due	August 30	December 14	March 6	May 30	June 27
Registration	Sept. 18-19	January 2	March 26	June 18	July 16
First Day of Classes	Sept. 20	January 3	March 27	June 19	July 17
Mid-Term	Oct. 24	Feb. 6	April 30	June 29* July 16**	July 27
Last Day to Withdraw	Oct. 24	Feb. 6	April 30	June 29* July 16**	July 27
Advisement & Advanced Registration	Oct.30-Nov.10	Feb. 12-23	May 7-18	July 16-27	July 16-27
Last Day of Classes	Nov. 30	March 14	June 4	July 13* Aug. 10**	Aug. 10
Reading Day	Dec. 1	March 15	June 5		
Final Examinations Begin	Dec. 4	March 16	June 6	July 16* Aug. 13**	Aug. 13
Final Examinations End	Dec. 6	March 20	June 8	July 16* Aug. 14**	Aug. 13
Graduation	Dec. 8		June 8		
Holiday	Nov. 23-24	January 15		July 4	
Institutional Scholastic Aptitude Test (SAT)	Aug. 26	Nov. 18	March 10	May 26	
Collegiate Placement Exam (CPE)	Sept. 12 Oct. 24	Dec. 12 Feb. 6 March 20	April 28 June 11	July 9 July 25 Aug. 6	
College Level Examination Program (CLEP)	Oct. 18	Jan. 17	April 11	June 13	
Regents' Test Application Deadline	Oct. 3	Jan. 16	April 10	July 3	
Regents' Test Administrations	Oct. 23-24	Feb. 5-6	Apr. 30 - May 1	July 23-24	
CHAOS Orientation Sessions	July 13, 20, 27 Aug. 3,10				

± All dates subject to change
*Session I (4-week term)
**Session II (8-week term)

1989																											
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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1990																											
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Armstrong State College

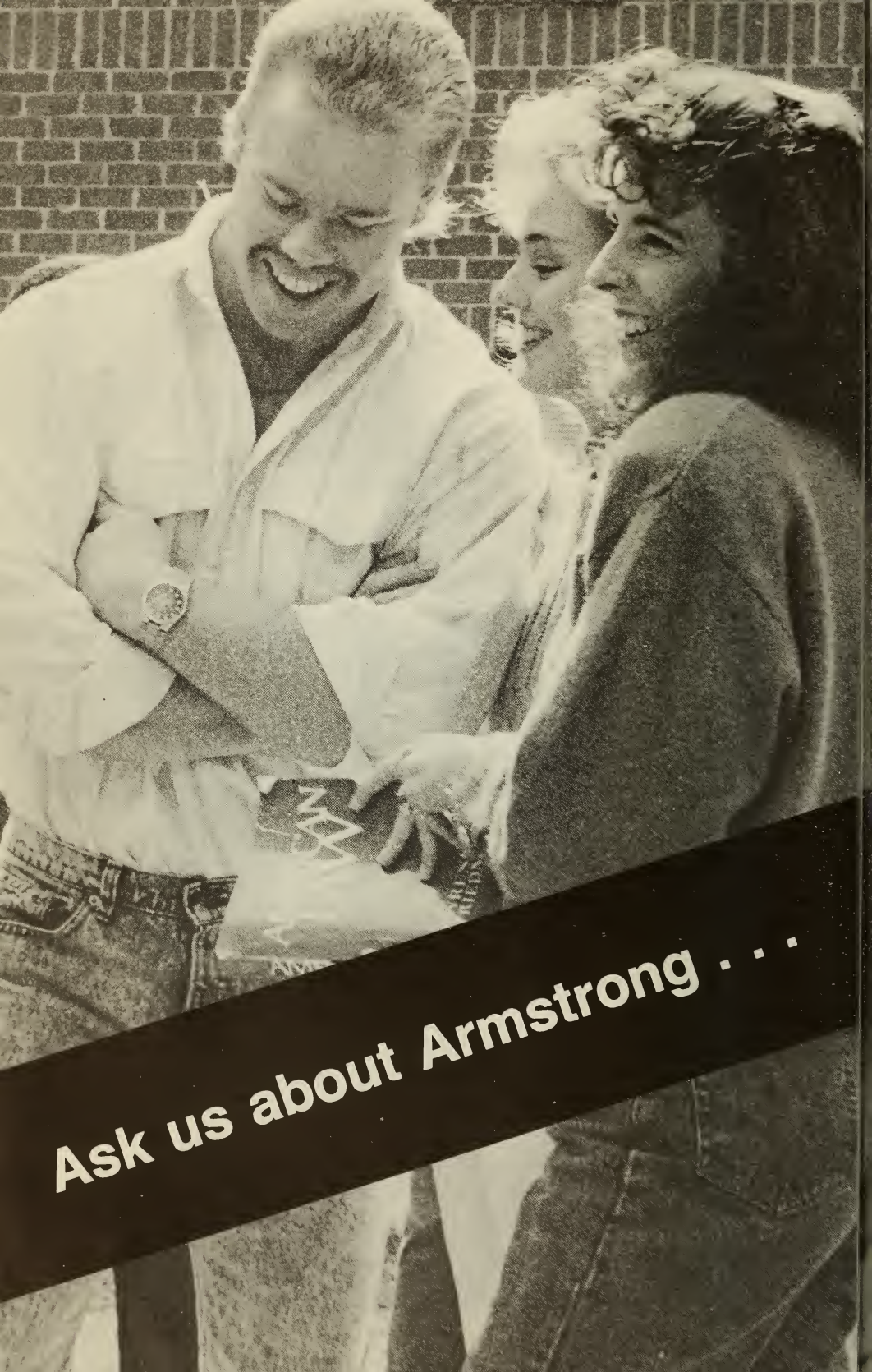
1989-90 Catalog



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Ask us about Armstrong . . .

Ask Me About Armstrong

Or ask any of our 3,000 students, "What is college life at Armstrong State College really like?" You'll get answers that run the gamut, because different people are looking for - and find - different things in any similar situation.

As you read this catalog you're already a part of a special group. Your future roommates, classmates, and teammates are also reading these words as they decide where and how they will spend their college years. They, like you, are looking for the real Armstrong, the college beyond a beautiful campus, a friendly smile, and modern facilities.

Perhaps it will help, at least a little, if you can see what lies behind the words which describe Armstrong.

. . . a belief that quality education today shapes all your tomorrows.

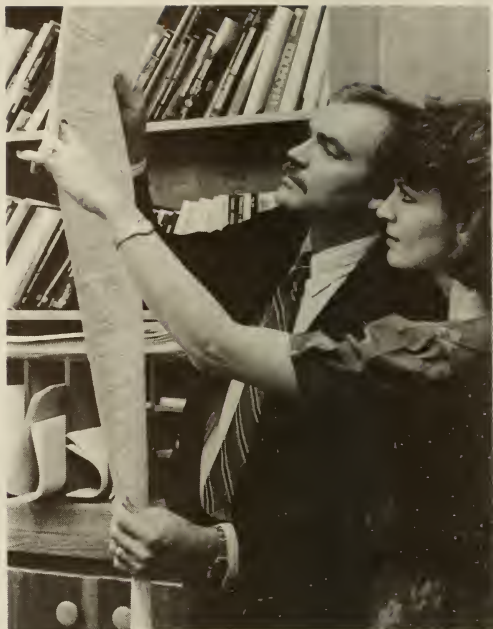
Armstrong has spent its 50-plus year history striving to provide quality education beyond all else. Never one to be self-satisfied, Armstrong retained its strong liberal arts base as it added career programs in education and the health professions. The conviction that a truly educated person is one who has knowledge of and appreciation for a wide range of subjects still prevails.

You will spend most of your adult life in the 21st century. You'll be called upon to answer questions which haven't yet been asked, to work in jobs that don't yet exist, to adapt to a way of life that stretches the imagination. Preparation for that life is happening at Armstrong. And it's happening today.



***. .Armstrong graduates excel -
in the job marketplace and in
graduate school. .***

One reason ASC graduates are in demand in the workplace is because their education has stressed "real world" skills. Qualities like critical thinking, adaptability, writing and speaking and ethical judgments are of increasing importance in conjunction with learning what you need to know to succeed in your chosen field. Your Armstrong degree is a career investment which pays handsome dividends.



If a profession is your goal, you'll want to investigate one of the highly successful pre-professional programs in medicine, dentistry, veterinary science, forestry, and law. Armstrong graduates often elect to further their career goals through graduate study. In fact, a full 40 percent of all Armstrong graduates in chemistry have entered graduate school (20 percent in the medical field).



. .our faculty stacks up with the best. .

Whatever their field, Armstrong professors are serious about helping their students learn. Perhaps that's why you'll frequently find faculty and students head-to-head over coffee, a special project or the latest headlines.

Your classes will be small, usually no more than 30 students, so you and your instructor get to know each other well. Maintaining a 17:1 student/faculty ratio is important at Armstrong.



Armstrong faculty stay equally involved in their academic disciplines. Research and publishing flourish in the teaching staff, where doctorates predominate. That's another "plus" at Armstrong - you won't be lectured by a teaching assistant, even in the most basic courses.

***. .more than 75 majors/
programs in the arts and
sciences, teacher education
and the health professions.***

Armstrong State College is a multi-purpose institution of higher education. That means you have a wide choice of majors that will lead to a successful career and a bright future.

While a liberal arts core curriculum forms the basis for all Armstrong degrees on the associate and baccalaureate levels, you will find ample opportunity to realize your career goals and to broaden your educational horizons through academic concentrations, minors, internships, and co-op programs.

The quality teacher education program relies heavily on this arts and sciences base and adds professional courses to prepare dedicated teachers for future generations.

Engineering studies is a rapidly expanding program at Armstrong. Today's technological advancements keep job demand high. Students can complete two years of study, including basic engineering courses, at Armstrong through the Regents Engineering Transfer Program before completing degree

requirements at Georgia Tech, or they can elect to earn dual-degrees from Armstrong State College and one of five regional schools of engineering.

Graduates in the School of Health Professions, a regional health education center, find ready employment in the rapidly expanding health career fields. Pass rates of graduates who take national and/or state licensing exams approach 100 percent.

. .students span a broad range in age, a mix which brings richness to the classroom.



A substantial number of Armstrong students are over 22 years of age. You'll be as likely to share classes with a typical 18-year old freshman or a young mother as a business person or a senior citizen. Education is a common bond and mature experiences and viewpoints often add another dimension to discussions.





***. the best of both worlds -
friendly, personal campus life
in an urban Savannah setting.***

College life at Armstrong is many things. Boring isn't one of them. Whether you love sailing with the ocean breeze and salt spray in your face or paddling silently as you canoe the beautiful Ogeechee river, water sports abound. In fact, sunny skies and year-round shirt sleeve weather mean students spend a lot of time outdoors. Even many of historic Savannah's special festivals, symphony concerts, and jazz outings are held under the sun or stars. And, if you've never spent St. Patrick's Day on River Street, you've missed a never-to-be-forgotten experience.





You'll gain personal and professional insights as you "find yourself." You'll approach your future with the confidence of the well-prepared. And you'll make lifelong friendships strengthened by shared memories.

Come on!
Experience life at
Armstrong.



The City/College



You'll gain personal and professional insights as you "find yourself." You'll approach your future with the confidence of the well-prepared. And you'll make lifelong friendships strengthened by shared memories.

Come on!
Experience life at
Armstrong.



THE
ARMSTRONG
MUSEUM
1871-1911

The City/College

History of the College

Armstrong State College, a senior unit of the University System of Georgia, was founded in 1935, as Armstrong Junior College, to help meet the needs for college level educational opportunities in the community. The college, as established by the City's Mayor and Aldermen, was housed in the beautiful Armstrong home, a gift to the city from the family of George F. Armstrong. Over the years the college occupied five additional buildings in the Forsyth Park and Monterey Square areas. In 1959, as Armstrong College of Savannah, it became a two-year unit of the University System. The Board of Regents conferred four-year status on Armstrong in 1964 and the college moved to its present 250 acre site, a gift from the Mills B. Lane Foundation, in December of 1965. Additional buildings joined the eight original structures as Armstrong added professional and graduate programs and tripled in size.

The Fine Arts Center, including a 1,000 seat theatre/auditorium, the Health Professions Building, a new apartment style residence complex, a library wing, and an academic computing center are among more recent additions.

Armstrong State College, offers over 75 academic programs and majors in the School of Arts and Sciences, and Education and the School of Health Professions.

The academic community includes approximately 3000 students and 139 full-time faculty members. Armstrong State College was fully accredited as a senior institution by the Southern Association of Colleges and Schools in December, 1968, with accreditation retroactive to January 1, 1968, and was last reaccredited in December 1982.

Purpose

Armstrong State College, a senior college in the University System of Georgia, provides a range of strong academic programs and an environment for intellectual and cultural growth in the arts and sciences, education, and health disciplines. The College pursues its purpose by promoting the free exchange of ideas in a variety of undergraduate and graduate programs leading to degrees at the Associate, Baccalaureate, Master's, and specialist levels. The College provides non-degree programs and activities through the Coastal Georgia Center for Continuing Education.

Instruction

Through instruction, the College ensures that students read and write effectively, and, through a strong liberal arts core curriculum, promotes the acquisition of knowledge in humanities, mathematics, the natural sciences, and the social sciences. The College prepares students at the graduate and undergraduate levels in the methods of scholarly inquiry, scientific research, and problem solving, and, in the process, encourages student commitment to learning and to physical, emotional, and social development. Furthermore, the College helps students to identify goals and the means of achieving them, as well as to understand and to respect people from diverse backgrounds and cultures. Additionally, it broadens the base of educational opportunities for students through formal and informal arrangements with other colleges and universities.

Faculty, Students, and Staff

The College recruits and retains faculty who are able teachers, supportive of its academic purpose, and who are professional sources of knowledge and expertise. It seeks, recruits, and retains students whose records indicate a likelihood of success, and creates a community of learners in which a sense of mutual trust and respect is evident. It encourages and supports an active intellectual, cultural, and social life on campus. In addition, the College recruits and retains a well-trained staff, sensitive to the needs of those it serves and committed to supporting its academic purpose.

Administration

The administration ensures equal opportunity and access to employment, admissions, and programs and services of the College without regard to age, sex, race, national origin, color, religion, or physical handicap. It encourages faculty research and development, and provides an environment which enables faculty members to participate in the search for knowledge. It secures and manages funds necessary to maintain the College's academic programs, library, and support services. Furthermore, the administration provides systems of campus governance which are responsive to the concerns of students, faculty, staff, and the Board of Regents. And finally, it acquires and maintains facilities and equipment necessary to support the College.

Community Service

A regional resource for information and expertise, the college is responsive to the unique educational and community service needs of its constituency. By combining efforts with the community, the college designs and conducts continuing education programs and offers a variety of cultural and athletic events. Moreover, it liberally shares its physical facilities and grounds for the betterment of the academic and cultural life of the community.

Location

Armstrong students find much to enjoy about living in the cosmopolitan city of Savannah, the major urban area (pop. 200,000) in coastal Georgia. The college's 250 acre campus is located in a residential area of the city which promotes a feeling of freedom and security on campus.

Savannah, Georgia's founding city, has all the historic and cultural variety of a metropolitan city with the added advantage of the ocean at its back door. A temperate climate encourages outdoor activities and recreation year round. Beach and river outings include sailing, boating, water skiing, sunning and beachcombing. Golf, tennis, fishing and hunting are also popular.

A resident symphony orchestra, dance and theatre groups, and visiting entertainment groups regularly perform at the Civic Center. Special celebrations and other festivals are scheduled throughout the year.

The historic past lives in harmony with today's progress in Savannah. As a living laboratory for history, Savannah is unsurpassed yet the Savannah port is one of the busiest on the Atlantic coast.

Community oriented leisure activities complement on-campus happenings. A growing NCAA intercollegiate athletic program, active intramurals, concerts, plays and special entertainment mean lots to do without leaving campus.

Accreditation

Armstrong State College has earned the following regional and special purpose accreditations:

Armstrong State College - by the Southern Association of Colleges and Schools for the period 1982-1992.

Associate Degree Nursing - by the National League for Nursing for the period 1985-1993.

Baccalaureate Degree Nursing - by the National League for Nursing for the period 1985-1993.

Criminal Justice - by the Criminal Justice Accreditation Council for the period 1981-1991.

Dental Hygiene - by the Commission on Accreditation of Dental and Dental Auxiliary Educational Programs for the period 1985-1990.

Medical Technology - by the Committee on Allied Health Education and Accreditation for the period 1985-1990.

Music - by the National Association of Schools of Music for the period 1984-1990.

Radiologic Technologies - by the Committee on Allied Health Education and Accreditation for the period 1987-1990.

Respiratory Therapy Department - by the Committee on Allied Health Education and Accreditation for the period 1987-1992.

Teacher Education Programs - by the National Council for the Accreditation of Teacher Education for the period 1982-1989.

Development Activities

The Office of Development promotes funding for college programs from sources supplemental to state appropriations and student fees. The college participates in federal and other grant-supported activities, and seeks assistance from alumni and friends. Gifts from private sources are accepted for various purposes such as athletics, instructional equipment, library books, matching funds for grants, scholarships and other restricted purchases. Unrestricted contributions are disbursed at the president's discretion. Gifts of any size can be used to add to the library collection in the name of an individual or agency. The Vice President for Student Affairs and Development can provide further information to any prospective donor.

Alumni Association

The Armstrong State College Alumni Association was established in 1937 and is comprised of over 6,500 ASC graduates. Membership in the Association is open to all graduates and former students. The Association promotes fellowship among alumni, students, faculty, staff, and friends of the College in order to strengthen the ties between the alumni, the College, and the community.

Each year, an increasing percentage of the Association's budget provides scholarships for outstanding Armstrong students. During the spring, the Association awards a full academic

scholarship to an entering freshman. In addition, the Alumni Association also awards seven partial scholarships to deserving ASC students.

During the June commencement ceremony, the Association presents the Distinguished Citizen Award and the Outstanding Faculty Award.

Annual alumni activities include: Armstrong Fest, homecoming, the annual meeting, and graduation receptions. The Outstanding Alumni Service Award and the Distinguished Alumni Award are presented as a part of homecoming activities.

FOCUS, the campus/alumni newspaper, is published twice a year. Alumni are encouraged to submit information for inclusion in FOCUS.

The Director of Alumni Affairs can provide additional information about alumni membership and activities.

Two-Year Degree Programs

The following two-year degrees are offered as preparation for higher degrees in the liberal arts and professions or as terminal professional degrees:

- Associate of Arts
- Associate of Applied Science in Criminal Justice
- Associate of Applied Science in Early Childhood Education
- Associate of Science in Dental Hygiene
- Associate of Science in Nursing
- Associate of Science in Radiologic Technology
- Associate of Science in Respiratory Therapy

Four-Year Degree Programs

Bachelor of Arts in the fields of art, drama-speech, English, history, music, political science, and psychology.

Bachelor of General Studies.

Bachelor of Health Science.

Bachelor of Music Education.

Bachelor of Science in the fields of biology, chemistry, computer science, criminal justice, and mathematical sciences.

Bachelor of Science in Education with majors in Early Elementary Education; Middle School Education; and Secondary Education in teaching fields of Art Education, Biology Education, Broad Field Social Studies, Business Education; (cooperative arrangement with Savannah State College), Chemistry Education, English Education, General Science Education, Industrial Arts

Education (cooperative arrangement with Savannah State College), Mathematics Education, Music Education, Physics Education, Social Science Education (with concentrations in history, and political science), Trade and Industrial Education (cooperative arrangement with Savannah State College), and Speech Correction.

Bachelor of Science in Dental Hygiene Education.

Bachelor of Science in Medical Technology.

Bachelor of Science in Nursing.

The College is authorized to offer Teacher Education programs, preparing students for certification by the Georgia State Department of Education in the following areas: art, biology, business education, chemistry, early elementary education, English, general science, history, industrial arts, library media, mathematics, middle school education, music, physics, political science, social studies, trade and industrial education.

Graduate Programs

The college offers a variety of master's and education specialist degree programs. Details are provided in the "Graduate Programs" section of this catalog.

Pre-Professional Programs

Armstrong State College offers courses appropriate for the first two years of baccalaureate programs such as business, engineering, forestry, industrial management, pharmacy, physical therapy, physics, etc., not offered among its degree programs, and it offers the pre-professional study appropriate for dentistry, law, medicine, veterinary medicine, and other professional fields.

Regents Engineering Transfer Program

Qualified students seeking a bachelor of engineering degree may begin their college studies at Armstrong State College through the Regents Engineering Transfer Program. Upon successful completion of the pre-engineering curriculum, students may transfer to the Georgia Institute of Technology to complete the degree requirements. It is expected that students in this program, like other Georgia Tech graduates, will normally require four to five and one-half years to complete the degree requirements, depend-

ing on their pre-college preparation, involvement in extra-curricular activities, and engineering major.

Dual-Degree Programs

Armstrong State College has dual-degree programs in engineering with the Georgia Institute of Technology, Auburn University, Clemson University, Mississippi State University, and the University of Florida. Upon completion of the first three years of academic work at Armstrong, the student may enroll for two subsequent years at one of the participating schools. Upon completing the requirements of the two cooperating schools, the student will receive a baccalaureate degree from Armstrong State College and a baccalaureate degree in the chosen field of engineering from the second school.

Dual-degree programs in other fields are also available. At the Georgia Institute of Technology, candidates from Armstrong State College are eligible to seek any degree offered in the sciences, mathematics, and management, as well as engineering. The Head of the Department of Chemistry and Physics is the Armstrong Coordinator of these dual-degree programs and should be contacted for additional information.

A dual-degree program in forestry and environmental management with Duke University is available. Students complete three years of academic work at Armstrong State College, then enroll for two subsequent years at Duke University. Students who successfully complete the program receive a B.S. in biology from Armstrong State College and a M.S. in either forestry or environmental management from Duke University. The Head of the Department of Biology should be contacted for additional information.

Cooperative Education Program

Armstrong State College has initiated a cooperative program in connection with its Engineering Studies Program. Opportunities are available in some other disciplines as well. Cooperative education students alternate quarters between college and work. The cooperative program offers students practical experience as well as financial assistance in the form of compensation from the firms that employ them.

Students interested in applying for admission to the cooperative education program should contact the Coordinator of Cooperative Educa-

tion, Dr. Henry Harris, Head of the Department of Chemistry and Physics.

Evening Courses

A wide selection of evening undergraduate and graduate level courses accommodate students who are employed during the day. Evening courses are scheduled to enable evening students to complete degree requirements in a variety of fields.

Off Campus Courses

Armstrong State College offers selected courses at the Coastal Georgia Center for Continuing Education each quarter. In addition, courses are taught at Memorial Medical Center, Savannah Vocational Technical School and other city sites on demand. Armstrong State participates in a consortium of state colleges that offers baccalaureate degree programs at Brunswick College, in Brunswick, Georgia.

General Studies

Associate and baccalaureate programs in general studies emphasize a liberal arts education and allow students to acquire a broad-based background in the arts and sciences. These degrees are particularly attractive to students who desire the general intellectual growth which comes with a multi-disciplinary degree.

Coastal Georgia Center for Continuing Education

The Coastal Georgia Center for Continuing Education was established in 1979 to combine the resources of Armstrong State College's Community Services Division and Savannah State College's Extended Services Division. The Center operates a unified continuing education program dedicated to serving the people of Savannah, Chatham County, the State of Georgia and, for some programs, persons beyond those boundaries.

A wide variety of programs is offered at Armstrong State College, Savannah State College, the Downtown Center and, when it is appropriate, at job sites, schools, community centers, and other locations in Savannah. Instructors are drawn from the faculties of both institutions, from qualified experts in the Savannah community, and from consultants throughout the region.

On the Armstrong campus, the major community services/continuing education component of the college is the short-course/conference program. This unit administers non-degree courses, conferences, and seminars designed for area residents who do not wish to participate in the regular credit classes offered by the college. These activities vary widely — some are related to professional development, others reflect personal interests, while others are recreational in nature. The Registrar maintains permanent records of persons participating in activities that meet certain criteria.

Regional Criminal Justice Training Center

The Armstrong State College Regional Criminal Justice Training Center is a regional training site for criminal justice employees. The region consists of nine counties; however, training is

made available to all criminal justice employees throughout the State of Georgia. The basic mission of the Center is to provide certification classes for law enforcement and jail officers. In addition, there are numerous advanced and specialized courses for higher certification credits. The training center has four full-time staff members and a large part-time instructor cadre.

Armstrong State/ Savannah State Cross Enrollment Program

A student enrolled at Savannah State College or at Armstrong State College as a full-time student has the privilege of taking one course with his Dean's approval at the other college without paying an additional fee. A student may obtain in the Office of the Registrar the proper form for permission to register for courses at Savannah State College.



**Student
Life**

Student Life

One of the primary aims of the educational mission at Armstrong State College is the total development of students. This growth process is enhanced by integrating opportunities for social, emotional, cultural, physical and spiritual development in addition to intellectual growth. The Office of Student Affairs is committed to providing programs and services which foster an educational environment which will assist students in achieving their full potential. The college encourages learning through involvement in the residence center, student government, campus organizations, intramurals, and more.

Residence Life and Food Service

The residence center, completed in September of 1985, consists of three buildings which house 64 students each. The apartment-style design encourages student interaction without a loss of privacy. Each two-bedroom suite, accommodating four students, has a bath and living room. All units are fully furnished, carpeted, and have unit-controlled heat and air conditioning. Phone jacks and an on-site coin laundry are added conveniences. Several units are equipped to accommodate handicapped students. The residence complex is staffed by a head resident and resident assistants. These students are chosen on the basis of leadership and willingness to serve their fellow students.

Students who live in college housing are required to participate in the 15-meal plan provided in the Memorial College Center. The plan includes three meals per day, Monday through Friday. Limited meals are available on the weekend. The meal plan is also available for students who do not choose to live in college housing.

Housing applications and/or specific information should be requested from the Office of Admissions or the Director of Housing.

Student Involvement

The Orientation Program is designed to promote social and academic adjustment of new students and transfer students. CHAOS (Communication, Help, Advisement, Orientation and Service) provides freshmen with the information, services and support essential to a successful transition into the Armstrong community. Participants in these one day summer CHAOS ses-

sions receive individual attention from student leaders and staff as they acquire first hand experience with academic advising, registration, campus facilities, student activities, college policies and procedures. The CHAOS program is a cooperative effort of Student Leaders and college staff. Competitive selection of student leaders occurs annually during Spring Quarter. Inquiries concerning CHAOS should be addressed to the Office of Student Affairs. An abbreviated orientation program is scheduled for students new to the college prior to registration Winter, Spring, and Summer Quarters.

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living. All students are automatically members of the SGA and are entitled to vote in SGA elections. Qualified students may seek positions of leadership in the Student Government Association by running for office during the Spring or Fall elections.

Student Clubs and Organizations provide Armstrong State College students with opportunities to develop leadership skills, broaden their social and professional backgrounds, and make a significant contribution to the college and the community. They reflect the natural variety of interests found in a diverse student body.

Religious: Baptist Student Union.

Greek: Alpha Gamma Delta Sorority, and Phi Mu Sorority.

Professional: American Chemical Society, ASC Engineering Society, Association for Computing Machinery, Data Processing Management Association, Georgia Association of Nursing Students, James Moore Wayne Law Club, Jr. American Dental Hygienists Association, Medical Technology Student Association, Music Educators National Conference, Radiologic Technology Association, National Society of Professional Engineers, Respiratory Therapy Association, and The E. B. Twitmeyer Society (Psychology).

Special Interest: Band, Cheerleaders, Chorus, International Students Association, Masquers, Vocal Ensemble, and Women of Worth (WOW), Marauders (Military Science), College Young Republicans, and the ASC Soccer Club.

Academic Honor Societies recognize and encourage superior scholarship in many fields of study. Campus chapters include: Beta Beta Beta (Biology), Joel H. Hildebrand Honor Society (Chemistry), Kappa Delta Pi (Education), Phi Alpha Theta (History), Phi Eta Sigma (Scholastic for freshmen), Pi Mu Epsilon (Mathematics), and ASC/GSC Nursing Honor Society.

Student Publications provide opportunities for students to develop skills in creative writing, reporting, photography and design. The *Geechee* (yearbook), *Inkwell* (newspaper) and *Calliope* (literary magazine) are all produced by students under the supervision of approved college advisors. They are financed primarily by the Student Activity Fund.

Intramural and Recreation Offerings. The college places a high priority on its intramural and recreational offerings and provides a wide variety of activities including organized competitive sports. The physical education complex includes an indoor olympic-size pool, gymnasium and weight room. Outdoor facilities for tennis and field sports are adjacent.

The Intercollegiate Athletics Program at Armstrong is affiliated with the National Collegiate Athletic Association (NCAA) Division II. Athletic scholarships are available to support student-athletes who participate in the intercollegiate program. The men's athletic teams consist of basketball, baseball, tennis, and cross country. Women's teams include tennis, swimming, volleyball, and basketball. Cheerleaders are also sponsored by the Athletic Department. Armstrong State College is unaffiliated with an athletic conference.

Cultural Opportunities on campus and off are an important aspect in the total educational process. Nationally known speakers, contemporary concerts, dances, popular films, exhibits and performances by outstanding classical and modern artists from around the world complement the student's general education. These programs are selected and coordinated by the College Union Board. Student dramatic, choral, and instrumental groups, under professional direction, have established distinguished traditions. On-campus offerings, such as the Faculty Lecture Series, broaden knowledge and interest in a non-classroom setting. The 1,000 seat fine arts auditorium often hosts performances by the Savannah Symphony, area arts groups, and out-of-town troupes, such as the National Shakespeare Company and the Vienna Choir Boys.

Student Services

The Counseling Center serves all students who are concerned about achieving educational and occupational goals and resolving personal problems. Counselors offer individual conferences to students who seek help in choosing a major, setting career goals, studying, and dealing with academic demands or conflict with family or friends. Counselors give tests to measure interest and ability, provide information to explore education and work opportunities, and instruct students on the use of computerized career and study skills development programs. In addition, counselors often are able to provide information about college policies, curriculum, and campus resources.

Tests of interests, values, and abilities are available to students through counseling services. In addition, the following testing programs are administered by the counseling staff: College-Level Examination Program (CLEP), DANTES Subject Standardized Tests (DSST), Graduate Record Examination (GRE), Medical College Admission Test (MCAT), Miller Analogies Test (MAT), National Teacher Examinations (NTE), Regents' Testing Program and Veterinary Aptitude Test (VAT). Other testing programs about which information is available include the Dental Admission Test (DAT), Graduate Management Admission Test (GMAT), Law School Admission Test (LSAT), Optometry Admission Testing Program and Pharmacy College Admission Test.

Career Planning and Placement Services provides assistance with all aspects of career development. Students can get help with the early stages of career development such as selecting an academic major, gathering occupational information and investigating career paths through individualized career counseling and computerized career guidance techniques. Experiential opportunities such as part-time and temporary employment are coordinated by the office staff. Students closer to graduation may take advantage of one-on-one instruction and workshops for resume writing, interviewing skills and job search strategies. Job listings, referrals and on-campus interview services are also available to students and alumni registered with the office. All seniors are strongly urged to register with the office at least **three** quarters prior to graduation to establish a placement file and become eligible for placement services.

Veterans will find the Office of Financial Aid and Veterans Affairs helpful in advising about admissions procedures and services available to them.

Handicapped Students are provided with needed services on an individual basis. After students are accepted to the college, if they have special needs as a result of a physical disability, they should plan to set up an appointment in the office of student affairs to discuss their disability as it relates to their educational program. The college counselors and the vice president for student affairs will then attempt to provide services so that each handicapped student has a positive educational experience at Armstrong State College.

The Minority Advisement Program helps minority students develop interest in all facets of college life. A peer advisor offers one-on-one assistance to students in adjusting to personal and academic life on campus. In addition, social, cultural and educational activities designed to broaden all students' knowledge of Black people and their contributions to society are presented.

The Adults Back to College Program meets the special needs and concerns of the non-traditional student. Mature students who are beginning college or are returning after several years away will find that the A.B.C. program will ease their transition to student life and address their career and academic questions.

The Academic Computing Center houses separate minicomputer and microcomputer facilities for student use. The minicomputer lab has a Digital Equipment Corporation VAX 11/750 and 6 SUN Microsystems 3/60 workstations, all running the UNIX operating system. The micro area features AT&T, Zenith PCs, Apple Macintosh computers and an Apple LaserWriter printer. All machines in the Academic Computing Center are connected to the campus wide network and allow access to file servers and other network services. There is also a separate Engineering micro computer lab with high performance Zenith color workstations and a Hewlett-Packard high speed pen plotter.

The Writing Center is a place where students in all disciplines may come for help with their writing. Tutors in the Writing Center offer individual instruction in basic writing skills and provide guidance in the preparation of essays, reports, and research papers. The aim of the

Writing Center is not only to assist students in core composition courses, but also to work with faculty to improve writing across the curriculum. The center is administered by the Department of Languages, Literature, and Dramatic Arts.

Lane Library, built in 1966 and substantially enlarged in 1975, supports the academic programs of Armstrong State College. To that end library faculty provide individual assistance in using library resources as well as course-integrated instruction in the classroom. The traditional repository role of academic libraries is enhanced through computer-assisted database searching, compact disc information systems, and a sizeable collection of non-print materials. The library is open over 80 hours weekly during academic sessions.

The library collections consist of more than 650,000 total items, including 146,000 book volumes, 453,000 microforms, and 35,000 records, slides, motion picture kits, and videotapes. In addition, subscriptions are maintained to approximately 800 periodicals and newspapers. The Florence Powell Minis Collection contains college archives, materials of local color, and first editions by Conrad Aiken and other Savannah authors.

Lane Library employs state-of-the-art technology to improve its services and operations. Cataloging and inter-library loan service are accomplished through membership in a national bibliographic utility, the Online Computer Library Center (OCLC), which makes the resources of other libraries available to the Armstrong community. Reference services are enhanced through computerized bibliographic searching utilizing DIALOG Information Services, Inc., which offers over 300 databases to augment the library's resources. Audio-visual production facilities further enhance library services.

Library programs at Armstrong seek to meet the needs of each student in the course of study, while also preparing graduates for life-long learning.

The Book Store is the source of all required textbooks and course-related supplies. It also offers general supplies and a selection of imprinted apparel and gift items.

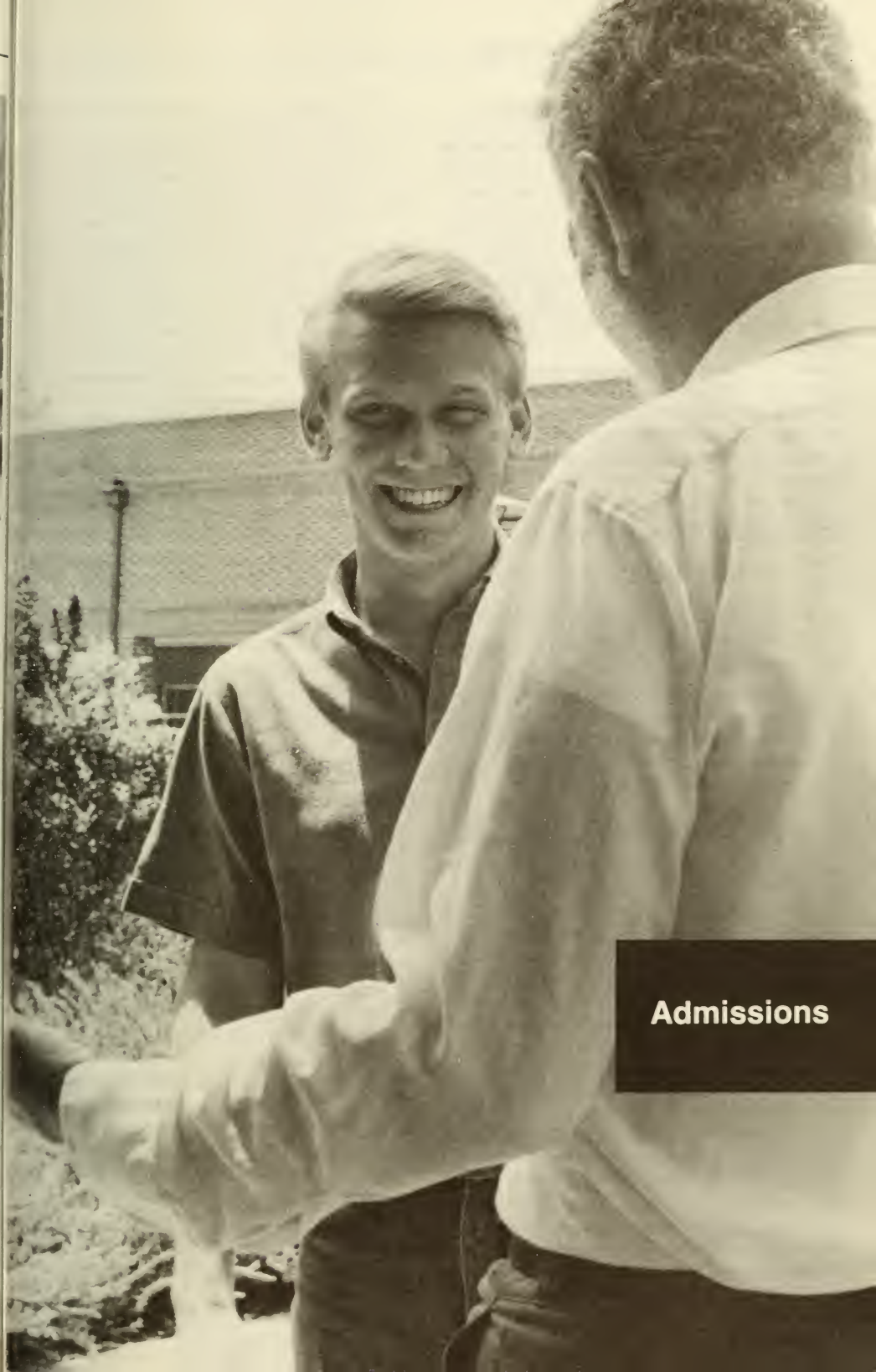
Parking Regulations

All vehicles driven on campus should display a college parking decal on the left rear bumper. Free decals are available at the Security Office on Science Drive.

All students, faculty, and staff are encouraged to become aware of the parking regulations. A set of regulations may be picked up in the Security Office or Office of Student Affairs, and they are published in Students Illustrated.







Admissions

General Admission Policies

Armstrong State College welcomes students who wish to pursue a college-level program of study. Applicants must provide evidence of a reasonable possibility of academic success in college in order to be admitted as a regular student. Applicants who do not meet the minimum requirements for admission may be admitted under conditional or provisional status, or under other special categories described below (see pp 25).

Armstrong State College reserves the right to employ appropriate assessment mechanisms to ascertain the suitability of applicants to enroll in the college and to deny enrollment or admission to individuals based upon the results of the assessment.

Admission Requirements

The following items are required off all applicants:

1. A completed Application for Admission - Forms are available from the Admissions Office.
2. Official high school and/or college transcripts - Transcripts must be submitted directly to Armstrong State College by the high school or college. See Special Admissions section for exceptions.
3. Official scores on the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Testing Program (ACT). Applications and information may be obtained from the College Entrance Examination Board (Box 592, Princeton, New Jersey, 08540), or the American College Testing Program (3355 Lenox Road, N.E., Suite 320, Atlanta, Georgia, 33026-1332). An Institutional Scholastic Aptitude Test (ISAT) is offered quarterly through the Counseling and Placement Office. ISAT scores can be used only for admission to Armstrong State College. Exceptions to the SAT requirement are discussed in the Special Admissions section.
4. Other requirements - The College may require any applicant to appear for a personal interview and to take any achievement, aptitude and psychological tests it deems appropriate in order to make a decision regarding the ap-

plicant's general qualification for admission to the College.

Final acceptance or rejection of each applicant is determined by the Director of Admissions and is subject to the applicant's right of appeal to the Academic Standing Committee prior to the beginning of the desired quarter of entry. The committee will review the appeal and make a recommendation to the President of the College, who will render a decision. The College reserves the right to withdraw admission prior to or following enrollment if the student becomes ineligible as determined by the standards of the College or Board of Regents.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or institution is, for any reason, deficient or unsatisfactory. The judgment of the College on this question shall be final.

The College reserves the right to reject an applicant who is not a resident of the State of Georgia. All students enrolled at Armstrong State College are required to affirm that they will abide by the provisions of the Honor Code.

Admission of Recent High School Graduates

An applicant must be a graduate of an accredited high school. Students graduating from high school in the Spring of 1988, or later, must meet the requirements of the College Preparatory Curriculum (CPC) of the Board of Regents. Students who lack required courses in any of the five areas must make up the deficiencies according to established guidelines. The following high school courses are minimum requirements for regular admission:

Units	Instructional Emphasis/ Courses
English (4)	*Grammar and usage *Literature (American and World) *Advanced composition skills
Science (3)	*Physical Science *At least two laboratory courses from Biology, Chemistry or Physics

Mathematics (3)	*Two courses in Algebra and one in Geometry
Social Science (3)	*American History *World History *Economics and Government
Foreign Language (2)	*Two courses in one language emphasizing speaking, (must be listening, reading and writing)

The minimum regular admission requirements for Armstrong State College are a combined SAT score of at least 750 (with a score of not less than 350 on the verbal section and 350 on the math section individually, or an ACT composite score of not less than 16 (with a score of not less than 16 on the English section and 11 on the math section individually). Also a minimum 3.0 grade point average on all academic courses is required. All of the academic courses computed in the high school grade point average will have been taken in grades 9-12.

Provisional Admission

Applicants to the College who do not meet the College Preparatory Curriculum (CPC) will be considered for provisional admission to the College. The following represents the College's criteria for provisional admission:

English - Students graduating with less than the four required units of English will be required to take the Collegiate Placement Examination (CPE) in English and Reading. Based on the student's score, the student would (1) exempt Developmental Studies English and/or Reading, or (2) be placed in Developmental Studies English and/or Reading.

Mathematics - Students graduating with less than the three required units of mathematics will be required to take the Collegiate Placement Examination (CPE) in mathematics. Based on the student's score, the student would (1) exempt Developmental Studies mathematics, or (2) be placed in Developmental Studies mathematics at the appropriate level.

Science - Students graduating with less than the three required units of science will be required to take an additional five quarter hour (for credit) course in a laboratory science.

Social Science - Students graduating with less than the three required units of social science will be required to complete one additional five quarter hour (for credit) course chosen from approved social science courses.

Foreign Language - Students graduating with less than the two units of the same foreign language will be required to complete one additional five quarter hour (for credit) introduction foreign language course.

All course work required as a result of a deficiency must be taken immediately. In the areas of social science, science, and foreign language, the student will be required to complete the appropriate course with a "C" grade or better. Students will receive credit for courses used to satisfy College Preparatory Curriculum deficiencies, but such credit may not be used to satisfy core curriculum or degree requirements.

Exceptions to the CPC Requirement

1. Any applicant who graduated from high school prior to Spring of 1988 is exempt from CPC requirements.
2. An applicant applying for any associate of applied science degree program offered by Armstrong State College is exempt from the CPC requirements.

Conditional Admission

An applicant who qualifies for admission to the College but who does not qualify for regular admission will be granted conditional admission. A student is conditionally admitted to the College if the SAT score is less than 750 or any part of the SAT score (verbal or math) is less than 350. A student is conditionally admitted to the College if the ACT Composite score is less than 16 or ACT English is less than 16, or ACT Math is less than 11. An applicant who scores less than 250 verbal or 280 mathematics on the SAT (less than 10 on the ACT English or less than 5 on the ACT math) and has less than a 1.8 high school grade point average on all academic courses will be denied admission to the College.

All conditionally admitted students must take the Collegiate Placement Examination (CPE) in order to qualify for regular admission. This examination should be taken before the student's

first registration at the College. If a conditionally admitted student fails to take the CPE before registering, the choice of courses (until the test is taken) will be limited by the student's SAT or ACT scores.

Any student placed in a course numbered below 100, either by their SAT (or ACT) scores, or by their CPE scores, will be considered a conditionally admitted Developmental Studies student.

Any other courses taken prior to completing and passing appropriate parts of the CPE must be approved by the Developmental Studies Counselor or by an advisor within that department.

A student in the Developmental Studies Program must have a schedule of classes approved by the Counselor in Developmental Studies, or an advisor within that department each time the student registers.

Conditionally admitted student will exit Developmental Studies in the following ways

1. Passing all required parts of the College Placement Examination.
2. If any required part of the CPE is not passed, the student will be required to enroll in the appropriate Developmental Studies course. Upon successful completion of all required Developmental Studies courses and passing the CPE, the student will exit Developmental Studies.

A student in Developmental Studies will be given four quarters per area to successfully exit that area. A student failing to exit an area after four attempts will be subject to Developmental Studies suspension. Copies of the policies of the Developmental Studies Program may be obtained from the Developmental Studies Office.

Credit by Examination

Armstrong State College will grant up to one-fourth of the credit required in a college degree for satisfactory scores on the following examinations:

- Advanced Placement
 - English Literature & Composition
 - Calculus AB
 - Calculus BC
 - Chemistry
 - American History
 - European History

- ATP Achievement Tests
 - American History
 - European History
- College-Level Examination Program
 - College Composition
 - Analysis and Interpretation of Literature
 - Humanities
 - College Algebra
 - College Algebra-Trigonometry
 - Calculus with Elementary Functions
 - Western Civilization I
 - Western Civilization II
 - American Government
 - American History I
 - American History II
 - Introductory Sociology
 - College French
 - College German
 - College Spanish
 - Natural Sciences
- DANTES Subject Tests
 - Astronomy
 - Criminal Justice
 - General Anthropology

Academic departments select the examination and determine passing scores. The college credit awarded is the same as that earned by students who complete the equivalent course(s). The letter-grade "K" is used to identify credit by examination and has no effect on the academic grade point average. The Office of the Registrar adds courses and credit earned to the academic records of enrolled students.

For additional information, please make inquiry to the Office of the Registrar/Director of Admissions, the Office of Counseling and Placement, or the head of the appropriate academic department.

College Credit for Military Experience and Training

Students who wish to have their military experience and training evaluated for college credit should submit a copy of appropriate form to the Registrar's office. Veterans should submit DD Form 214 and active duty military personnel should submit DD Form 295. Active duty Army personnel and soldiers discharged since October 1, 1986, should also provide the Registrar with a copy of their Army/American Council on Education Registry Transcript.

Regents Engineering Transfer Program

To be admitted to the Regents Engineering Transfer Program at Armstrong State College, students must have achieved at least:

1. 550 on the mathematics portion of the Scholastic Aptitude Test (SAT); and
2. 450 on the verbal portion of the SAT; and
3. 3.0 high school grade point average.

This institution's faculty members have worked closely with Georgia Tech's faculty to assure a curriculum which is well-coordinated with that of Georgia Tech. Specific times each quarter have been established for students to visit the Georgia Tech campus and meet with representatives of their anticipated major.

Regents Engineering Transfer Program students who satisfactorily complete the pre-engineering curriculum and apply for transfer will be accepted to Georgia Tech. However, admission to the most popular majors, as for other Georgia Tech students, will be based upon overall grade point average, performance in the required prerequisite courses and availability of student spaces.

Requirements of Transfers

1. Transfer students completing high school in the Spring of 1988, or later, from non-University System institutions will be required to submit their high school transcripts as part of their application process unless they have completed their freshman and sophomore years, completed an associate degree, or have more than 90 hours of transfer credit approved. This requirement also applies to students enrolled in University System programs that do not require the College Preparatory Curriculum for admission.
2. Transfer students completing high school in the Spring of 1988, or later, transferring from University System institutions will maintain their CPC status as determined by the first University System institution making the original CPC evaluation.
3. Transfer applicants completing high school prior to Spring of 1988 will follow the same procedure as freshman applicants except these applicants will not be required to meet the College Preparatory Curriculum requirements. In addition, these applicants who have achieved sophomore standing at

the time of entrance, will not be required to submit their high school records. Such records may be required by the Office of Admissions, but normally the transcripts of previous college records will suffice in place of the high school record. Transfer applicants must ask the Registrar, of each college they have previously attended, to mail an official transcript of their records to the Office of Admissions at Armstrong State College, regardless of the transferability of the credits.

4. Transfer applicants will not be considered for admission unless he/she is academically eligible to return to the college or university last attended, or unless the officials of the institution last attended recommend the applicant's admission.
5. Transfer applicants will be considered for admission to Armstrong State College, if, on all work attempted at other institutions, their academic performance as shown by their grade-point-average is equivalent to the minimum standard required by Armstrong State College students by comparable standing. Students not meeting the required GPA may be admitted on Good Standing, with Warning. (See chart under Academic Probation and Dismissal Policy in the "Academic Regulations" section of this Catalog.)
6. Credit will be given for transfer work in which students received a grade of "C" or above. Credit will also be given for transfer work in which the students received grades of "D", with the limitation that such credit will not exceed twenty-five percent of the total amount of credit accepted with grades of "C" or above. College credit will not be allowed for such courses as remedial English or remedial mathematics or courses basically of secondary school level.
7. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. Students transferring from an institution which is not a member of a regional accrediting agency must achieve a "C" average on their first fifteen quarter hours of work at Armstrong in order to be eligible to continue. In certain areas they may be required to validate credits by examination. In computing cumulative grade averages, only the work attempted at Armstrong will be considered.

8. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. At least half of the courses in the major must be taken at Armstrong.
9. Not more than one-fourth of the work counted toward a degree may be taken through correspondence extension courses or examination. No correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence course may be taken while enrolled at Armstrong State College without prior approval of the Vice President and the head of the department in which the student is majoring. Correspondence credit will not be accepted for courses in English composition of foreign language.
10. If the Core Curriculum requirements in Area I (Humanities), Area II (Sciences), and/or Area III (Social Sciences) have been completed in a University System of Georgia institution, each completed area will be accepted as having met the respective area requirement at Armstrong State College.
11. An official evaluation of all previous college credit earned will be done during the first quarter of the applicant's attendance. Transfer credit will be awarded from institutions listed in the American Association of College Admission Officers and Registrars as being fully accredited.

Developmental Studies Transfer Student Policy

Conditionally admitted transfer students must meet the same admission requirements as individuals admitted to the College for the first time. A complete record of the student's past remedial coursework and CPE scores must be on file in the Armstrong State College Registrar's Office before the student can be admitted. Further, conditionally admitted transfer students must be eligible to return to their previous institutions before they will be considered for admission to Armstrong State College.

Readmission

Students who have not been enrolled at Armstrong during the current academic year (the academic year begins with the Fall Quarter) must apply for readmission on a form provided by the Office of The Registrar. Former students who have not attended another college since leaving Armstrong may be readmitted, provided they are not on suspension at the time they wish to reenter. Former students who have attended another college since leaving Armstrong must meet requirements as listed in the catalog in effect at the time of return. A student who is readmitted after an absence from the college for more than two years must meet degree requirements as listed in the bulletin in effect at the time of his or her return.

Transient Students

Students enrolled in another college or university may apply for temporary admission to Armstrong State College. They must have written approval from their Dean or Registrar at their present institution. They must be in good standing and have permission to take specific courses at Armstrong State College to be transferred to their own institution when satisfactorily completed. Transient students are admitted for a specific period of time, normally one quarter. If they wish to remain at Armstrong State College longer than one quarter, they must submit additional statements from their Dean or Registrar, or must meet all requirements for regular admission as a transfer student.

Armstrong Students Transient Elsewhere

Armstrong students who wish to take coursework at another college with the intent of applying the courses to their academic record at Armstrong may do so in accordance with regulations for transient status to another college. Students must meet the requirements stipulated by the other college, and, in order to apply the credit toward their academic records at Armstrong, must meet the academic regulations of Armstrong. Consult with the Registrar's Office for details.

Accelerated Program for High School Students

Through this program for superior high school seniors, students may complete more than two-thirds of the freshman year of college before beginning a regular college career. Students accepted into the program may choose any freshman course provided they meet course prerequisites and receive permission from their high school principal or counselor and their college advisor.

Students in this program may enroll for college credit in a maximum of two courses each quarter while completing their senior year of high school. Upon graduation from high school, the student will be admitted as a regular college enrollee.

Students forfeit the privilege of this program if they receive a college course grade below C or their high school average in academic courses falls below B in any quarter.

The College will consider students for this program only upon written recommendation of their high school principals or counselors.

To be admitted to the program, students must satisfy all of the following criteria:

1. Written recommendation by the principal or counselor of the high school;
2. Written consent of parent or guardian (if the student is a minor);
3. Completion of the eleventh grade in an accredited high school;
4. A combined verbal and mathematics SAT score of no less than 1,000, or ACT Composite no less than 24;
5. A minimum high school grade-point-average on all academic courses of 3.0;
6. Completion of the University System of Georgia's College Preparatory Curriculum (CPC) requirements with the following exceptions:
 - (a) Students with an SAT verbal score of at least 450 (or ACT English of at least 21) who have not completed the final unit of high school English and/or social studies will be permitted to fulfill these high school requirements with the appropriate college courses.
 - (b) Students who have not completed the College Preparatory Curriculum requirements may be admitted through the joint enrollment program (see below) if they are enrolled in the necessary high school courses and

scheduled to complete the requirements by the end of their senior year.

With the exception of English and social studies courses taken by students with the required SAT or ACT score, a college course may not be used to fulfill both high school College Preparatory Curriculum requirements and college degree requirements.

Early Admission and Joint Enrollment Programs

Armstrong State College offers an early admission program for those students who have completed the eleventh grade in high school and who have demonstrated outstanding academic potential. The criteria for admission to this program are the same as those listed for the Accelerated Program.

Additionally, the college offers a joint enrollment program which is an early admissions program allowing students to enroll full time at the College while remaining on the rolls of a local high school. After successfully meeting all established criteria for the Accelerated Program, students will be awarded high school diplomas at the end of their freshman year in college. For further information on this program, prospective applicants should consult with their high school counselors and request information from the Office of Admissions.

Special Admission Categories

GED

An applicant who is not a high school graduate may be considered for admission based upon completion of the General Education Development Examination (GED) with a score that satisfies the minimum requirement of the State of Georgia (standard score-45). A score report must be submitted directly to the College from the GED testing center where the student took the test, or by DANTES (2318 South Park Street, Madison, Wisconsin, 53713) if the student took the test through the United States Armed Forces Institute while in military service. If the applicant's high school class graduated in the Spring of 1988, or later, then all College Preparatory Curriculum (CPC) requirements must be met. The only exception to this requirement will be those applicants who will be pursuing an associate degree. These individuals are exempt from the CPC requirements.

Delayed Admission

Applicants who have not attended high school or college within the previous five years, and have earned fewer than 20 transferable quarter hours of college credit, are not required to take the SAT or ACT admissions test. However, these applicants will be required to take the Collegiate Placement Examination and complete any Developmental Studies requirements. Student admitted under this category must complete 30 hours of college credit with a minimum 2.0 grade point average in order to be granted regular admission status.

Persons 62 Years of Age or Older

Persons who are 62 years of age, or older, may enroll as regular students in credit courses on a "space available" basis without payment of fees, except for supplies, laboratory or special course fees. They must be residents of the State of Georgia and must present a birth certificate or comparable written documentation of age to enable the Admissions Office to determine eligibility. They must meet all admission and degree requirements.

International Students

(All students who are citizens of countries other than the U.S.)

It is recommended that international students begin their attendance at the college in the Fall Quarter. The college also recommends that international students attend an ELS language center prior to enrollment.

Students from a country other than the United States who are interested in attending Armstrong must meet the following requirements before application is made:

1. Meet the requirements of freshman applicants. International students must have completed the equivalency of a U.S. high school. However, College Preparatory Curriculum (CPC) requirements do not apply to these students.
2. Have an official transcript of academic records mailed to the Office of Admissions at Armstrong with an official translation.
3. If SAT or ACT scores are available, ask that the results be sent to Armstrong. If these scores are not available, the student will be required to take the Collegiate Placement Examination and take any such required coursework in accordance with the Developmental Studies Guidelines.

4. A student whose native language is not English must take the Test of English as a Foreign Language (TOEFL) and score a minimum of 500 for consideration for admission to the College.
5. Submit a statement of financial resources prior to attendance.
6. Show proof of adequate health and life insurance.

After completion of application form and submission of all required records, the College will make a decision on the application. If an application is approved, the College will send an I-20 form (which the international student will use to obtain a student visa). Upon arrival these students may be tested in English composition for class placement purposes.

Admission of Veterans

After having been accepted at Armstrong State College and upon receipt of Certification of eligibility and entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefit Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans) or Public Law 631 (children of permanently disabled veterans). Students under Public Laws 358, 361, 634 should be prepared to pay tuition and fees at the time of registration.

Vocational Rehabilitation Applicants

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six weeks before the beginning of any quarter to insure proper processing of applications.

Requirements for Admission to Fine Arts Programs

The college-level study of art and music requires considerable background as well as a basic proficiency level. Those students who wish to major in art are expected to show the faculty a portfolio of previous work in at least one medium. In music, placement examination are required of all entering students in music theory and applied music.

Requirements and Procedures for Admission to Health Programs

School of Health Professions Statement of Professional Standards Related to Applicants and Students

All applicants to and students enrolled in the School of Health Professions must meet and continue to meet the approved professional standards of the School and respective programs.

1. In order to meet the intellectual, physical and social competencies necessary to meet professional requirements, all applicants and students must be able to exhibit qualities of good judgment, mental strength and emotional stability.
2. No applicant who may jeopardize the health and/or the well being of a patient, client, co-worker, or self, may be accepted into the School of Health Professions program or continue as a student within a program.
3. The individual programs will inform each applicant in writing of the standards which are related to the professional duties of the discipline.
4. The faculty of each program or department shall be responsible for applying the standards for their students and prospective students.
5. In all cases, final appeal may be brought to the attention of the Dean of Health Professions who would appoint an Appeals committee.

Insurance

Because of contractual requirements, **Health Insurance is required** of students in Associate Degree Nursing, Baccalaureate Degree Nursing, Medical Technology, Radiologic Technologies and Respiratory Therapy. **Malpractice/Liability insurance is required** of students in Associate Degree Nursing, Baccalaureate Degree Nursing, Dental Hygiene, Medical Technology, Radiologic Technologies and Respiratory Therapy.

Associate Degree Nursing

Admission to Armstrong State College does not in any way guarantee formal admission to the Associate Degree Nursing Program. It is important that the applicant for admission to this program file all papers required at least two quarters prior to the quarter in which the applicant wishes to begin nursing courses.

The Admissions Committee of the Department of Associate Degree Nursing will act only on completed applications. Admission decisions will normally be made in October for winter quarter, January for spring quarter, and April for fall quarter. After admission to the program, the student must pay a \$50.00 non-refundable Health Professions Deposit to reserve a seat in the program. This deposit is applied to the student's first quarter matriculation fee. Students who qualify for admission but who are not admitted because of lack of space may reapply for the following quarter's class. Students admitted for a given quarter must enter the program during that quarter or reapply for admission for any subsequent quarter. Determination of admission to the program is a function of the faculty.

Transfer students must meet the criteria for admission to the Department of Associate Degree Nursing as stated. Credit for nursing and science courses taken prior to application to the program must be approved by the Department of Associate Degree Nursing. It is recommended that nursing courses not be over one year old and science courses not be over five years old. Students wishing to be given credit for nursing courses which are over one year old and science courses which are over five years old may be required to validate current knowledge by examination or be required to repeat these courses.

The Associate Degree Nursing Program is approved by the Georgia Board of Nursing and is fully accredited by the National League for Nursing (NLN).

Criteria for Admission

Admission to the Associate Degree Nursing Program is made on a space available basis and is limited to the best qualified students as determined by the Associate Degree Nursing faculty. Admission criteria include:

1. Completion of ZOO 208 with a grade of "C" or better.
2. Completion of CHE 201.
3. Completion of MAT 101.
4. Eligibility for ENG 101.
5. A minimum adjusted college GPA of 2.0.

Time Limit for Program Completion

Students must complete the Associate Degree Nursing Program within three consecutive academic years from the date of their initial entry into the program. Students who do not complete the program within this time limit must reapply for admission, meet current criteria for admission, and have their previous credits evaluated at the time of their subsequent admission. Students who are readmitted must meet course requirements in effect at the time of their readmission.

Readmission Procedures

1. The student must complete the readmission application for Armstrong State College and the Department of Associate Degree Nursing.
2. The student will be required to meet admission and curriculum requirements in effect at the time of readmission.
3. The student's readmission will be based upon space availability and recommendation by the Department of Associate Degree Nursing.

Baccalaureate Nursing Department

Applicants to the program must be regularly admitted to Armstrong State College prior to making application to the nursing major. Students must meet the admission requirements of the Department of Baccalaureate Nursing to be eligible for admission to the nursing major. Admission to the nursing major is the function of the Faculty. Only completed applications will be considered.

Students will be admitted to the nursing major during Winter Quarter, Sophomore year. Students who are not admitted may reapply when they meet admission criteria.

Applicants may address the Head of the Department of Baccalaureate Nursing if they require additional information concerning admission procedures.

The Bachelor of Science degree program is approved by the Georgia Board of Nursing and is fully accredited by the National League of Nursing (NLN).

Criteria for Admission

Admission criteria include:

1. Regular admission to Armstrong State College.
2. A minimum SAT verbal score of 350.
3. A minimum SAT mathematics score of 350.
4. A verbal/mathematics combined SAT of not less than 750. (SAT scores will not be required for those applicants with Associate Bachelor's or Master's Degrees).
5. A grade of "C" or better in each science course.
6. An adjusted GPA of 2.5 in all prerequisite course work attempted.

Transfer Applicants and those with degrees in other fields must meet the criteria established for admission to the nursing major. Transfer credit will be awarded depending upon equivalency of courses. These decisions will be determined by the Nursing Faculty who will use actual course outlines, descriptions, etc., supplied by the student.

Registered Nurse applicants must meet the criteria established for admission to the nursing major and must also submit proof of licensure.

Program Completion Requirements

Students must complete the Baccalaureate Nursing Program within four consecutive years from the date of their initial admission to the nursing major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits evaluated. Students who are granted readmission must meet course requirements in effect at the time of readmission.

Senior nursing students are required to take a written comprehensive exam prior to graduation.

Readmission Procedures

1. The student must complete the readmission application for Armstrong State College and the nursing major.
2. The student will be required to meet admission and curriculum requirements in effect at the time of readmission.

3. The student's admission will be based upon space available and recommendation by the Admissions Committee of the Department of Baccalaureate Nursing.
4. Students who have been dismissed are ineligible for readmission.

Associate Degree Dental Hygiene

Admission to Armstrong State College does not in any way guarantee admission to the Associate Degree Program in Dental Hygiene. Applicants must first be accepted for admission to the College with regular admission status before the Dental Hygiene Admissions Committee evaluates the applicant's application to the Associate Degree Program in Dental Hygiene.

Admission to the program is limited in each class. Students matriculate in the Fall Quarter of each year. Applications for admission should be completed as soon as possible for the Fall quarter and must include a transcript of all academic work.

Because of the heavy emphasis on science in the dental hygiene curriculum, it is important that the applicant have a strong foundation in biology and chemistry.

Applicants who are on academic probation or suspension from another college will not be considered for admission to the program. Unless specifically approved by the Head of the department, credit will not be accepted for courses taken in another school of dental hygiene.

Applications for admission should be clearly marked "For Dental Hygiene Only."

Applicants may contact the head of the Department of Dental Hygiene if they require additional information concerning admission procedures.

After admission to the Dental Hygiene Program, the student must pay a \$50.00 non-refundable Health Programs Deposit to reserve a seat in the program. This deposit is applied to the student's first quarter matriculation fee.

Criteria for Admission

Admission to the Associate Degree Dental Hygiene major is on a space available basis and is limited to the best qualified students as determined by the Dental Hygiene Admissions Committee. Regular admission criteria include:

1. A 2.5 or better high school grade-point average.
2. An SAT score (composite verbal and mathematics) of 750 or above.
3. A grade-point-average of 2.0 on all previous college work, if applicable. Students transferring from another college must have this average to be considered for admission. The 2.0 average must be maintained to date of actual matriculation in the program.

The Dental Hygiene Admissions Committee will give special consideration to applicants who have completed one year of college work and who have completed CHE 201 or ZOO 208 (or their equivalents) with a grade of "C" or better. Conditional admission criteria include:

1. Conditional Admissions status may be granted to an applicant when the applicant does not meet the regular admissions criteria.
2. An expressed interest in being admitted to the Associate in Science Dental Hygiene Program as evaluated by the Admissions Committee must be demonstrated.

The conditionally admitted student must have a G.P.A. of 2.0 at the conclusion of the first year in the program.

The applicant should request a personal interview with the Dental Hygiene Admissions Committee to discuss the application after all credentials have been received.

Readmission Procedures

Students who have been admitted to and have enrolled in the Associate Degree Program in Dental Hygiene, but who have either withdrawn or have been dropped from the program, may apply for readmission to the program only if they have a cumulative college GPA of 2.0 at the time they wish to reenter. The student's readmission will be based upon space available and recommendation by the Dental Hygiene Admissions Committee.

Baccalaureate Degree Dental Hygiene Education

Candidates for the program must be graduates of accredited associate degree dental hygiene programs and licensed as registered dental hygienists.

Students begin their course of sequenced dental hygiene courses in the Fall Quarter. Application for admission should be completed as soon as possible.

Transfer credits are accepted for courses other than the professional sequence. A minimum of 45 quarter hours must be earned at Armstrong State College for the Bachelor of Science Degree in Dental Hygiene Education to be awarded from this institution. The Office of the Registrar will evaluate all transfer credits.

Applications for admission should be clearly marked "For Dental Hygiene Only".

Applicants may contact the Head of the Department of Dental Hygiene at Armstrong State College if they require additional information concerning admission to the program.

Criteria for Admission

Admission requirements include:

1. One year of professional experience preferred. This may include any dental-related work experience.
2. A minimum 2.0 GPA on all previous college work. Students transferring from another college must have this average to be considered for admission. The 2.0 average must be maintained to date of actual matriculation in the program.

How to Apply

1. Complete all application forms required for admission to Armstrong State College. Mark the application *For Dental Hygiene Only*. These forms are to be returned to the Office of Admissions.
2. Complete the Dental Hygiene Bachelor of Science Application Form and return to the Department with a recent photograph.
3. Submit National Board Scores to the Department of Dental Hygiene. Applicants should contact the head of the Department of Dental Hygiene if they require additional information.

Associate Degree Respiratory Therapy

Admission to Armstrong State College does not guarantee admission to the Respiratory Therapy Department. The department has a

separate formal admissions process in addition to the admission process to Armstrong State College.

Students are admitted to the program during the Fall quarter. The application process begins during the Winter break preceding the desired admission date. Deadline for complete applications is June 1. Applications received after that date will be considered on a first come-first serve, space-available basis.

To meet contractual obligations with the clinical affiliates, the program requires students to submit a complete health history form and evidence of liability (malpractice) insurance prior to participation in clinical practicums.

Applications for admission should be clearly marked "For Respiratory Therapy Only." Applicants may address the Head of the Respiratory Therapy Department if they require additional information concerning admissions procedures.

Criteria for Admission

Admission requirements include:

1. Regular admission to Armstrong State College.
2. Good standing with college at the time of student selection.

Readmission to the Program

Students who have been admitted to and have enrolled in the Associate Program in Respiratory therapy but who have either withdrawn or have been suspended from the program may apply for readmission provided they are in good academic standing at the time they wish to reenter.

A student who has been dismissed from the program for any reason will not be eligible for readmission.

Associate Degree Radiologic Technologies Program

Admission to Armstrong State College does not guarantee admission to the Radiologic Technologies Program. The Program has a separate formal admissions process in addition to the admission process to Armstrong State College.

Students are normally only admitted to the professional component of the program at the start of the Fall Quarter each year except for transfer students. Students may start taking co

courses at any time and need not have completed the core courses prior to entry into the professional component. The application process begins in the Winter quarter of the year previous to desired admission. Qualified applicants will be considered on a first come-first admitted, space available basis.

To meet contractual obligations with the clinical affiliates, the program requires students to submit a complete health history form, evidence of health insurance, and evidence of liability (malpractice) insurance prior to participation in clinical practicums.

Applications for admission should be clearly marked "For Radiologic Technologies Only." Applicants may address the Head of the Radiologic Technologies program if they require additional information concerning admissions procedures.

Criteria for Admission

The actual determination of admission of applicants to the program is a function of the Radiologic Technologies Program Admissions Committee. Admissions are competitive in nature and based on scholastic history, work experience, personal references, and a personal interview.

The following are specific criteria for admission:

1. A minimum GPA of 2.5 in a high school curriculum.
2. A minimum GPA of 2.5 in all science and mathematics courses in the high school curriculum.
3. A minimum overall adjusted college GPA of 2.0, if applicable.
4. A minimum GPA of 2.0 in all mathematics and science courses at the college levels.

Applicants who do not meet the criteria for admissions outlined above may still apply for admission. Please contact the Program for information.

After admission to the Radiologic Technology Program, the student may pay a \$50.00 non-refundable Health Programs Deposit to reserve a seat in the program. This deposit is applied to the student's first quarter matriculation fee.

Readmission to the Program

Students who have been admitted to and have enrolled in the Associate Degree Program in Radiologic Technologies, but who have either withdrawn or been dismissed without prejudice

from the program, may apply for readmission to the program only if they have a cumulative college GPA of 2.0 at the time they wish to reenter. The student's readmission will be based upon space availability and recommendation by the Radiologic Technologies Admissions Committee.

Baccalaureate Degree Health Science

Criteria for Admission to Program

1. Regular admission to Armstrong State College.
2. Completed Health Science Program application (Send to Health Science Major Office).
3. If applicant is currently a health practitioner, include:
 - A. A copy of your professional health credentials.
 - B. Confidential Appraisal Form Send to Health Science Major Office.

Criteria for Admission to Courses

1. Completion of 90 hours of appropriate coursework.
2. Cumulative GPA of 2.0 in all courses with not more than one science repeat.
3. Advanced Standing: All credit for previous coursework will be subject to evaluation by the Health Science, Physical Education & Recreation department head. Admission to and progression through the program is a function of the Head of Health Science, Physical Education & Recreation.

Baccalaureate Degree Medical Technology Program

The professional phase of the Medical Technology curriculum begins in the Fall quarter of each year with the MT courses. Students desiring acceptance to the Medical Technology Program should make application to the program during the early spring of the preceding academic year.

Minimum Admission Requirements

1. SAT of at least 800 with 350 or more in Math and 350 or more in Verbal.
2. Cumulative Grade Point Average of 2.2 or more.
3. Completion of required chemistry and biology courses prior to the senior year.
4. Science course (Chemistry and Biology) average of 2.25 or better with no more than one required science course with a grade of "D".
5. Satisfactory completion of Regents' Testing Program.

Other Requirements

Per NAACLS requirement, all applicants must have taken the organic or biochemistry course and the microbiology course within the past seven years. Updating coursework can be done by completion (a grade of "C" or better) of the appropriate course or by a challenge examination.

Currently enrolled Armstrong State College students must also meet the requirements for admission to the MT program and apply to the program.

Transfer students must be accepted to the college with "Regular Status" admission.

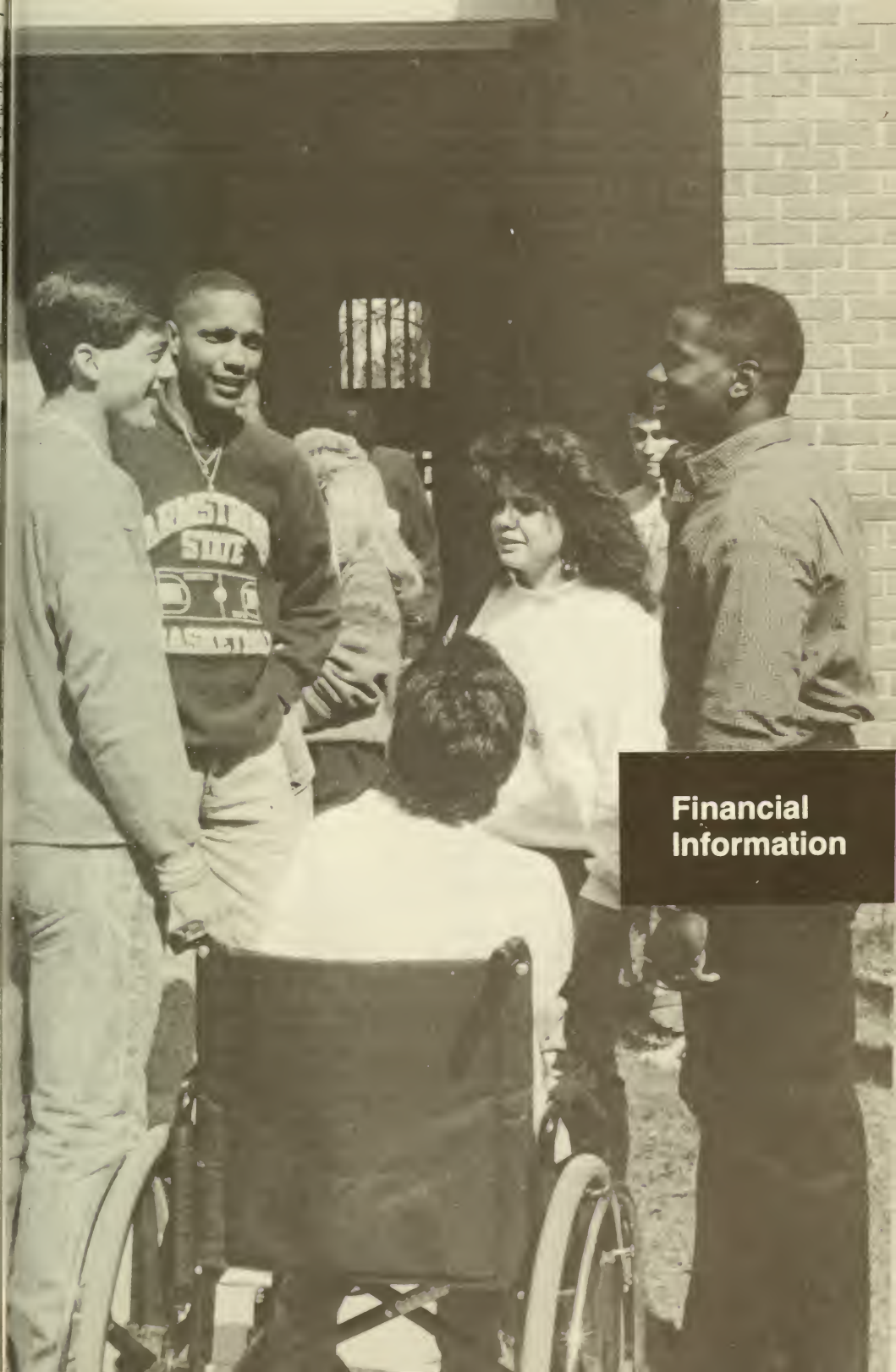
Certified associate degree medical laboratory technicians may receive transfer credit for junior level MT courses upon presentation of acceptable certification scores and/or transfer credit and satisfactory completion of written and/or practical examinations in the professional content areas.

An applicant with B.S. degree not desiring the B.S. in Medical Technology degree must meet the National Accrediting Agency for Clinical Laboratory Sciences academic prerequisites for Medical Technology. These students will be awarded a certificate upon completion of the professional coursework.

Foreign applicants must meet the requirements for admission to Armstrong State College as outlined in the college catalog.

Application Process

1. Complete all requirements for Application for Admission to Armstrong State College if not currently enrolled at ASC.
2. Complete an Application to Medical Technology Program form.
3. Have official transcripts sent to Program Director.
4. If certified, have scores sent to Program Director. (Ask Program Director for form letter.)
5. Applicants meeting the minimum admission requirements will be invited for an interview with at least two of the Admission Committee members, one of whom is the Program Director.
6. Request two references to complete Confidential Appraisal Form to be forwarded to Program Director.
7. All applicants will be informed by letter of their application status.



**Financial
Information**

Expenses

The following schedules list the principal expenses and regulations concerning the payment of fees. **Fees and charges are subject to change at the end of any quarter.** When such changes are made, notice will be given as far in advance as possible

Tuition

Georgia Residents

The matriculation fee for students registering for at least 12 quarter hours is \$382.00. Students carrying fewer than 12 credit hours on campus in a quarter will pay \$32.00 per quarter hour. This fee is waived for residents of Georgia upon presentation of written documentation that they are 62 years of age or older.

Out-of-State Residents

Full time students who are non-residents of Georgia pay a fee of \$1,145.00. Those carrying fewer than 12 credit hours in a quarter pay \$96.00 per quarter hour tuition. Out-of state tuition fees are waived for active duty military personnel and their dependents stationed in Georgia (except military personnel assigned to this institution for educational purposes).

Regents' Policies Governing Residency Requirements

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. (a) If a person is 18 years of age or older, (s)he may register as a resident student only upon a showing that (s)he has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
(b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State, in the absence of a clear demonstration that (s)he has in fact established legal residence in this State.

2. If a person is under 18 years of age, (s)he may register as a resident student only upon a showing that a supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
3. A person stationed in Georgia who is on full-time, active military duty with the armed forces and a spouse and dependent children may register upon payment of resident fees even though they have not been legal residents of Georgia for the preceding twelve months.
4. A full-time employee of the University System and spouse and dependent children may register on the payment of resident fees even though (s)he has not been a legal resident of Georgia for the twelve months.
5. Non-resident graduate students who hold teaching or research assistantships requiring at least on-third time service may register as students in the institution in which they are employed on payment of resident fees.
6. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees.
7. All aliens shall be classified as non-residents, provided, however, that an alien who is living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.
8. International students selected by the institution's president or his authorized representative may be enrolled upon payment of in-state fees provided the number of waivers does not exceed the quota approved by the Board of Regents for the institution.
9. If the parents or legal guardian of a minor change the legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve months on the payment of resident fees. After the expiration of the twelve month period the student may continue his registration or upon the payment of fees at the non-resident rate.

0. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.

Residency Reclassification

A student is responsible for registering under the proper residency classification. A student classified as a nonresident who believes that he/she is entitled to be reclassified as a legal resident may petition the Registrar for a change in status. The petition must be filed no later than sixty (60) days after the quarter begins in order for the student to be considered for reclassification for the quarter. If the petition is granted, reclassification will not be retroactive to prior quarters. The necessary forms for this purpose are available in the Registrar's office.

Student Housing

To secure housing, students must send a \$100.00 deposit with their housing application. Refer to the housing contract for specific terms and conditions.

The fee for double occupancy is \$495.00 and \$635.00 for single occupancy per quarter.

Food Service

All students who reside in the dormitory must purchase a 5-day, 15-meal plan at the current fee of \$390.00 per quarter.

Other Special Costs

APPLICATION FEE **\$10.00**

Must accompany initial application. Acceptance of application fee does not constitute acceptance of the student. Non-refundable.

ATHLETIC FEE **\$37.50/qtr.**

All students pay each quarter.

EXIT EXAM FEE

Fee for Graduate Record Examinations or National Teacher Examinations are announced in test bulletins.

GRADUATION FEE **\$25.00**

Payable by each candidate for graduation when graduation application submitted two quarters

prior to graduation. If candidate is receiving a second degree at the same graduation ceremonies an addition \$5.00 is due. The full \$25.00 is charged for a second degree awarded at a subsequent graduation ceremony. A fee of \$15.00 is charged for each replacement diploma.

HEALTH PROFESSIONS DEPOSIT **\$50.00**

Reserves a seat in appropriate health program, payable upon application to program.

I.D. CARD FEE **\$1.00**

LATE REGISTRATION FEE **\$20.00**

Non-refundable fee charged to students who register after the registration period.

STUDENT ACTIVITY FEE **\$18.50/qtr.**

All students pay each quarter.

TRANSCRIPT FEE, OFFICIAL **1 free, \$2.00 each additional**

Unofficial transcripts for academic advisement and schedule planning will be issued at no charge.

Music Fees

Applied music courses consist of one twenty-five minute private lesson per week (Music 130) or a fifty minute private lesson per week (Music 140, 240, 340, 440). A special fee of \$42.00 is charged for students enrolled in Music 130. A special fee of \$84.00 is assessed for Music 140-440 to music majors enrolled for less than 12 hours and to students who are not music majors. Music majors may enroll, at no charge for one applied music course from Music 140-440. Additional applied music courses will be assessed a special fee at the non-music major rate.

The applied music fee is refundable only if the student does not meet the first scheduled lesson.

Summary of Fees*

Matriculation, per quarter	\$ 382.00
Student Activity, per quarter	\$ 18.50
Athletic, per quarter.....	\$ 37.50
Total for Georgia Residents ...	\$ 438.00
Out-of-State Tuition, per quarter ...	\$ 763.00
Total for Non-Residents	\$ 1,201.00
Matriculation Part-Time Students, per quarter hours.....	\$ 32.00
Non-Resident Tuition, Part-Time Students, per quarter hour (in addition to Matriculation Fee)	\$ 64.00

*The fees shown are for the 1987-88 academic year and are subject to change.

Short Courses

Fees are announced for each quarter when the course is scheduled by the College.

Students who formally withdraw from a short course or conference before its first meeting will receive a full refund of fees paid provided the withdrawal is in writing and is received by the Coastal Georgia Center for Continuing Education prior to the first class meeting of the course or conference. Withdrawals made in writing after the first class meeting will be given a refund minus a ten dollar handling fee. No refunds will be made for withdrawals received after the second class meeting. Fees paid for courses or conferences cancelled by the Coastal Georgia Center for Continuing Education will be refunded 100%.

Refunds

Refunds of fees, including housing and food service, will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during the registration period and the first week of classes are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between the first and second week of classes are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between the second and third week of classes are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the third and fourth week of classes are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after the fourth week of classes will be

entitled to no refund of any part of the fees paid that quarter. The refund schedule for the Summer Quarter is printed in the Summer Quarter Schedule of Classes.

Financial Obligations

Any student delinquent in the payment of any financial obligation to the College will have grade reports and transcripts of records embargoed. Grade reports and transcripts will not be released, nor will the student be allowed to re-register at the college until all financial obligations are met.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a service charge of \$15.00 or five percent of the check, whichever is greater, and the late registration fee.

Financial Aid

Governing Principles

Armstrong State College subscribes to the principle that the primary purpose of a student financial aid program is to provide financial assistance to students who without such assistance would be unable to attend college. The primary responsibility for financing a college education is the inherent obligation of the student and/or family. Financial assistance from Armstrong State College should be viewed as supplementary to the efforts of the student and/or family. An assessment of parental ability to contribute toward the student's educational expenses is made by the College Scholarship Service so that neither the parent, the student nor Armstrong State College will be required to bear an undue share of the financial responsibility.

General Information

Student financial aid is awarded to eligible students on the basis of need in nearly all cases except scholarships which have been provided by donors for the purpose of recognizing academic promise or achievement. The determination of need is provided for Armstrong State College students through the use of the Financial

cial Aid Form (FAF) and the College Scholarship Service which processes this form. The process involves an analysis of the data provided by the student's family or, if independent, by the student. This analysis is sent to the Office of Student Financial Aid where it is compared with the cost of education for the appropriate classification of student. If the analysis shows that the family contribution or self contribution is less than the cost of education, financial need has been established. The Office of Student Financial Aid has the legal right to challenge information provided on the Financial Aid Form if, in the opinion of the financial aid officer, that information appears to be inaccurate, incorrect, or misleading.

In general, students who enter the College at the beginning of the Fall Quarter have a greater opportunity to receive financial assistance than those who enter later in the academic year. The awards processing time usually runs from May 1 to August 31. It is during this period that the Office of Student Financial Aid distributes its yearly allocation of funds to students who have completed the process cycle. In the event that there is a shortage of funds, students who are eligible for financial aid but whose applications were late will be placed on a waiting list until such time as funds become available.

Students are eligible to apply for financial assistance provided that: (1) the student meets the requirements pertinent to the program(s) from which assistance is sought; and (2) the student has been admitted to the college or is enrolled in good standing and is making satisfactory academic progress. Students who are classified as Transient, continuing Education, or Exchange are not eligible for financial aid. Students are required to adhere to all regulations and requirements of the program from which they receive assistance and to notify the Office of Financial Aid of any change in status which may affect their eligibility for aid.

Application Information

An applicant for student financial aid must:

1. Be enrolled or accepted for enrollment at College;
2. Obtain, complete, and submit a Financial Aid Form (FAF) to the College Scholarship Service by May 31 preceding the next academic year.
3. Submit a PELL GRANT Student Aid Report to the Office of Student Financial Aid by May 31 preceding the next academic year.

4. Complete an Armstrong Application for Financial Aid.
5. Submit a copy of the student's and parent's (if dependent) Income Tax returns from the previous year.

It may be necessary to complete additional forms depending on a student's year in school, major course of study, and/or eligibility for a particular program. Applications for financial assistance must be repeated annually. Most student financial aid awards are for the entire academic year, with payments made to the student in equal quarterly installments.

The minimum number of quarter hours for which a student financial aid recipient may enroll per quarter varies from program to program. Some require at least 12 hours per quarter (full-time status). All programs require that the student be enrolled at least half-time, taking 6 or more quarter hours.

Students applying for financial aid, whether eligible or not, who do not meet or adhere to the above requirements will not be considered for financial aid. It is the responsibility of the parents and/or student to determine that all pertinent information and data have been obtained and are located in the Office of Student Financial Aid to assure a complete and accurate awarding of financial assistance.

When the student has received acknowledgement from the College Scholarship Service that the Financial Aid Form (FAF) has been sent to the College and the student has delivered the PELL Grant Aid Report (SAR) and the Request for Student Financial Aid, the Office of Student Financial Aid will send the student a tentative award notice. The student should schedule an appointment with a financial aid officer. The officer will discuss the student's financial aid package, and a final award letter indicating the type of award(s) and amount(s) will be processed.

Students who submit the PELL Grant Student Aid Report only will not be considered for any other type of financial assistance awarded for the College.

Transfer Students

In addition to the above requirements for all financial aid students, transfer students are required to submit a complete Financial Aid Transcript from the financial aid office of each institution of higher education previously attended whether or not aid was received. No awards will be made until these documents have been received by the Office of Student Financial Aid.

Types of Aid

Grants — Awards that students are not required to repay.

Pell Grants are federal grants based on need. Pell Grants are awarded to eligible undergraduate students who are enrolled for at least six hours per quarter.

Supplemental Educational Opportunity Grants (SEOG) are federal grants awarded to undergraduates who exhibit exceptional financial need.

Georgia Student Incentive Grants are state grants awarded to full-time undergraduate students who are legal residents of Georgia.

Loans — Money that students borrow and repay with either interest or service.

Stafford Loans are available through local lending institutions and state agencies. Repayment begins after the student leaves school.

Georgia Service-Cancellable Guaranteed Student Loans are offered for certain "critical" health and teaching fields. These loans are repaid by service in Georgia after graduation.

PLUS Loans are available to independent students and the parent of dependent students regardless of need. The maximum loan amount is \$4,000 per year.

Institutional Short-term Loans are available to students for a maximum of 60 days. These loans are used primarily to assist students with the payment of tuition and fees. These loans are available to eligible students for a maximum of \$300. Other requirements concerning short-term loans are available in the Office of Student Financial Aid.

Employment

The **College Work Study Program** provides on-campus employment for eligible undergraduate students. These awards are based on need.

Institutional Work Study positions are offered on a limited basis to students with specific skills. These awards are not based on need.

Scholarships

The following list includes many of the scholarships available to Armstrong students. This listing is intended for reference only and is not an exhaustive source of all funds available.

ASC Alumni Association Scholarship: Open to all full-time students. Participation in civic and campus organizations, financial need, and academic standing are considered. For additional information, contact the Alumni Office.

ASC Alumni Association Entering Freshmen Scholarship: Full scholarship for full-time freshmen with combined SAT of 1000 or 3.0 GPA. For additional information, contact the Alumni Office.

Savannah Jaycees: Full scholarship for full-time Chatham County residents. Civic and community involvement, financial need and academic standing are considered. For additional information, contact the Financial Aid Office.

American Assn. of University Women: Open to older women in non-traditional fields with a 3.0 GPA, who are Chatham County residents. For additional information, contact the Financial Aid Office.

Auxiliary to Georgia Medical Society: Full-time Chatham County nursing student with high academic standing (3.0 GPA or above). For additional information, contact the Financial Aid Office.

Billy Bond Memorial Scholarship: Open to all students with 3.0 GPA. Civic and community involvement are considered. For additional information, contact the Financial Aid Office.

Chemistry & Physics Faculty Scholarship: Open to all students. Academic standing is considered. For additional information contact the Chemistry & Physics Department.

Civitan: Open to Armstrong students of all disciplines with at least a 3.0 GPA or 1000 SAT, i freshman. For additional information, contact the Financial Aid Office.

Ross E. Clark Scholarship: Full-time Political Science student with 3.0 GPA, Freshman 1200 SAT. For additional information, contact the Department of Government.

Cooper Scholarship: Open to all undergraduate females and majors (except law, theology and medicine) based on financial need. Requires B average and good standing. Application deadline April 15, 1988. For additional information, contact First Union Bank.

ASC Engineering Society Scholarship: Full time sophomore and junior engineering students, 2.75 GPA and active member of Engineering Society. For additional information contact the Chemistry & Physics Department.

ASC Freshmen Engineering Scholarship: Entering freshmen with engineering major. For additional information, contact the Chemistry & Physics Department.

Fairway Lincoln Mercury Scholarship: For additional information, contact the Admissions Office.

Curtis G. Hames Nursing Scholarship: BSN Nursing scholarship for full-time junior, senior, and graduate students with C or higher average. Residents of Southeast Georgia. Financial need is considered. For additional information, contact Georgia Southern College Foundation, Inc.

Sarah Mills Hodge Memorial Scholarship: Awarded to full-time Chatham County students for scholastic merit. Requires 3.0 GPA. For additional information, contact the Financial Aid Office.

Memorial Medical Center Auxiliary Nursing School: ADN or BSN. Georgia resident with 2.5 high school GPA and +750 SAT scores. If already a nursing student, must have at least 2.5 GPA. For additional information, contact Memorial Medical Center.

Kiwanis Memorial Educational Fund: Full-time entering freshmen. High achievers. For additional information, contact Office of Admissions.

Menzel-Magnus Award for Scholarship in Criminal Justice: Awarded to Criminal Justice senior with highest academic average. For additional information, contact the Department of Government.

Pederewski Scholarship/Loan Program: Dental Hygiene students who are not receiving other scholarships or loans. Must have 2.0 GPA. Quarterly tuition only. Must be Georgia residents. Financial need is considered. For additional information, contact the Dental Hygiene Department.

Savannah Foods and Industries Engineering Scholarship: Awarded to engineering students with demonstrated academic potential. Contact the Director of Engineering Studies.

Savannah Pathology Laboratory Scholarship: Full-time Med Tech senior demonstrating financial need and commitment to degree program. For additional information, contact the ASC Medical Technology Department.

Anthony Porter Scholarship: Full scholarship. Academic standing, civic and community involvement are considered. For additional information, contact the Financial Aid Office.

Savannah Scholarship for Radiologic Technologists: Full-time freshman or sophomore Radiologic Technology major with 2.0 GPA. For additional information, contact the Radiologic Technology Department.

Solomon's Lodge: Full-time students in top 30% of class and 900 SAT. Civic and community involvement, and financial need are considered. For additional information, contact Solomon's Lodge No. 1.

Regents Scholarship: Georgia residents in the top 25% of their class. For additional information, contact the Financial Aid Office.

Regents Opportunity Grants Program: Minority graduate students. Georgia residents. Financial need is considered. For additional information, contact the Financial Aid Office.

Rotary Club of Savannah Scholarship: Full-time students with 3.0 GPA. For additional information, contact the Secondary Education Department.

Savannah Volunteer Guards Scholarship: Full-time freshmen with high school GPA of 3.0 and 1000 SAT. Recipient must take three quarters of military science for duration of scholarship. For additional information, contact the Financial Aid Office.

Ty Cobb Scholarship: Students must have completed 45 hours with B average and be Georgia residents. For additional information, contact the Financial Aid Office.

Wine & Spirits Wholesalers of Georgia Scholarship Foundation: Full-time students, academic standing (3.0 GPA), civic and community involvement and financial need are considered. For additional information, contact the Financial Aid Office.

WOW - Women of Worth: Full-time student who is an active WOW member. For additional information, contact the Psychology Department.

Government Benefits

Social Security provides monthly benefits to children when a parent dies, starts receiving Social Security retirement, or starts receiving disability benefits. Because of changes in the law, students should contact the Social Security Office concerning eligibility.

The **Georgia Vocational Rehabilitation Program** provides financial assistance for the applicant who possesses an impairment which

would prove to be a vocational handicap. Students who think that they may qualify under this program should contact the Vocational Rehabilitation Center. Applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six weeks before the beginning of any quarter to insure proper processing of applications.

Veterans Benefits

V.A. Educational Benefits may be used for study at Armstrong. Contact the Office of Financial Aid and Veterans Affairs for specific instructions on application procedures.

Satisfactory Academic Progress

The Higher Education Act of 1965, as amended by Congress in 1980, mandates that institutions of higher education establish minimum standards of "satisfactory progress" for students receiving financial aid. To receive financial aid at Armstrong, a student must both maintain a satisfactory grade point average and be making satisfactory academic progress as outlined below. These requirements apply to the following programs: Pell Grant, Supplemental Educational Opportunity Grant, College Work Study, Guaranteed Student Loans, PLUS Loans, Georgia Incentive Grant, and other State Student Incentive Grants.

It is the student's responsibility to read and understand Armstrong's policy regarding Standards of Academic Progress. Failure to understand and adhere to these policies will result in a student's ineligibility for aid.

- (1) Students must earn the following minimum number of hours each academic year (fall through spring quarters) depending upon their enrollment status:
 - (a) Full-time students - 36 hrs. per academic year (12 hrs per quarter)
 - (b) $\frac{3}{4}$ time students - 27 hrs. per academic year (9 hrs. per quarter)
 - (c) $\frac{1}{2}$ time students - 18 hrs. per academic year (6 hrs. per quarter)

Students whose enrollment status varies during the year should follow the quarterly requirements listed above. For example, a student who enrolls full-time the first two quarters but only $\frac{3}{4}$ the third quarter would be required to complete 33 hours ($12 + 12 + 9 = 33$).

Student records will be checked each year for compliance at the end of spring quarter. Students who are not meeting the above requirements will be considered ineligible for further aid until the appropriate number of hours are earned.

Grade of A,B,C,D, and P will be considered as credits earned. F,I,W,WF, and U will not be considered as credits earned.

- (2) Students who are enrolled full-time will be expected to complete their degree within five years. No students will be eligible for aid if they have attempted 225 hours or more. Students are therefore cautioned against repeating too many courses.
- (3) In addition to earning an appropriate number of hours per year, students must maintain the following grade point average.

HOURS ATTEMPTED	REQUIRED GPA
0-15	1.3
16 - 30	1.4
31 - 45	1.5
46 - 60	1.6
61 - 75	1.7
76 - 90	1.8
91 - 120	1.9
121 - over	2.0

Graduate students must maintain a 3.0 GPA to remain eligible for aid.

- (4) Students who are enrolled in the Developmental Studies program will follow the regulations of that program. Students will be required to meet all Satisfactory Progress regulations upon completing the requirements of the Developmental Studies Program. Suspension from Developmental Studies makes a student ineligible for further aid.
- (5) Transfer students must be in good standing to receive the initial disbursement of aid. Credit hours attempted at other institutions will be considered in the 225 hour maximum. Other Satisfactory Progress calculations will consider only the student's academic record at Armstrong State College.

Reinstatement of Aid

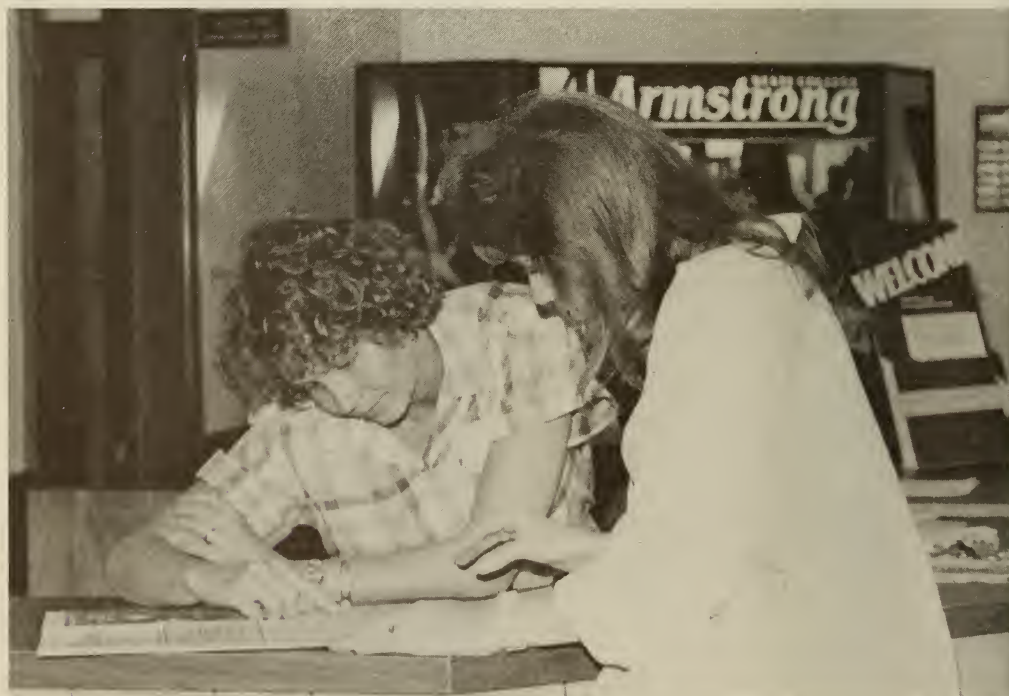
The reinstatement of aid is dependent on the availability of funds.

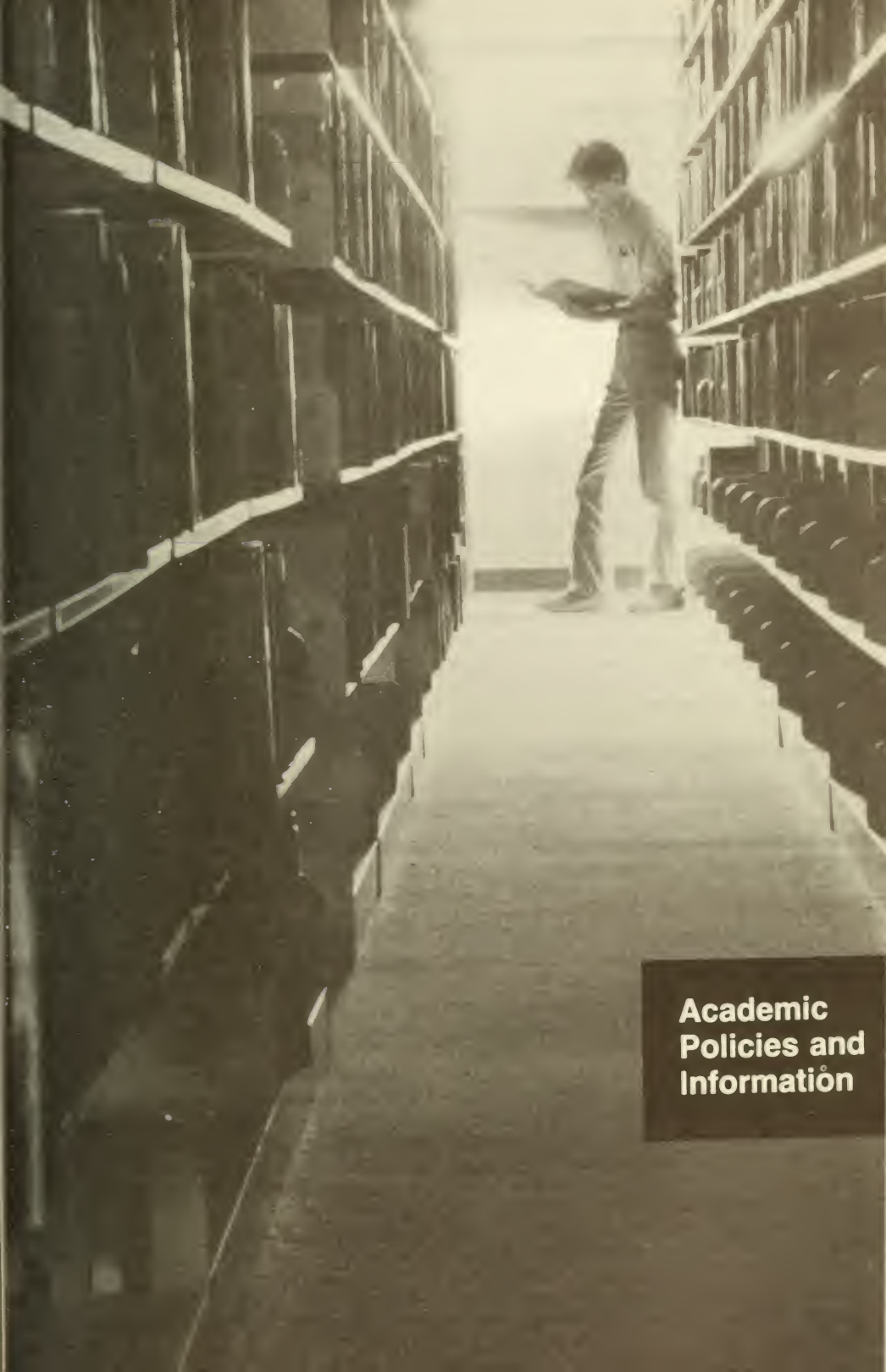
- (1) Students whose aid is terminated because they failed to earn the required number of hours may request their aid be reinstated once they earn the required number of hours. These hours may be earned during the summer or during the following year. The student is not eligible for aid during these "catch up" quarters.
- (2) Students whose aid is terminated due to insufficient GPA or standing may request their aid be reinstated once they have attended at least one quarter at full-time status and receive at least a 2.0 GPA. The student must also meet the GPA requirements listed above.

Appeal of Aid Suspension

Students who feel that they can demonstrate mitigating circumstances which affected their academic progress may make an appeal to the Dean of Academic and Enrollment Services.







**Academic
Policies and
Information**

Academic Advisement

All students are required to participate in the advisement system at Armstrong State College. The Vice President and Dean of Faculty gives overall direction to the advisement program, with the appropriate department heads coordinating advisement activities within the various departments. Students who have selected a major or general field of study are advised by advisors within the appropriate department. Developmental Studies students are advised by advisors within the Developmental Studies Department. All other students are advised by Core Curriculum Advisors. Freshmen and transfers who have selected a major will be advised in the academic department of their major. Freshmen and transfers who have not selected a major and have not completed the core requirements will be advised by Core Curriculum Advisors.

The student's course selections must be approved by an advisor as an integral part of the registration process. Students are responsible for fulfilling the requirements of their degree program and must observe all regulations for admission to courses, including meeting prerequisite requirements.

English Composition and Mathematics Requirements

See English Composition and Mathematics Requirements in the Degree Requirements Section of this catalog, where important requirements are outlined for entering students.

State Requirement in History and Government

See State Requirement in History and Government in the Degree Requirements Section of this catalog.

Course and Study Load

The normal course load for full-time students is 15-18 quarter hours including a course in physical education during the freshman and sophomore years.

A full-time student is defined as one who is registered for 12 or more hours. A part-time student is one registered for fewer than 12 quarter hours. A student should plan about ten hours preparation per week for each 5 quarter hour course.

Classification of Students

A student who has earned fewer than 45 quarter hours will be classified as a freshman; between 45 and 89 a sophomore; between 90 and 134 as a junior; and 135 or more as a senior.

Overloads and Courses At Other Colleges

Permission to enroll for more than 18 quarter hours will be granted by the Registrar to a student:

1. with an average grade of "B" for full-time enrollment in the preceding quarter, or
2. with an overall grade-point average of 3.0 or
3. requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours. A student who is on academic probation will not be permitted to register for more than 18 quarter hours. Exceptions to these limitations may be made only by the appropriate Dean.

A student enrolled at Armstrong who at the same time takes courses for credit at another college may not transfer such credit to Armstrong, unless written permission from the appropriate Dean has been obtained.

Grade Reports

Grade reports are issued directly to students at the end of each quarter. The following grades are used in the determination of grade-point averages:

<i>Grade</i>	<i>Honor Points</i>
A (excellent)	4.0
B (good)	3.0
C (satisfactory)	2.0
D (passing)	1.0
F (failure)	0.0
WF (withdrew, failing)	0.0

The cumulative GPA is determined by dividing the total honor points earned by the total hours attempted at Armstrong State College. The adjusted GPA is determined by dividing the total honor points earned by the total hours attempted, with hours and honor points for repeated courses not duplicated in the calculation.

Armstrong State College also uses the following symbols for grade reports. These symbols carry no honor points and are not included in

he determination of either the cumulative GPA or the adjusted GPA.

Symbol	Explanation
W withdrew, no penalty
I in progress or incomplete
S satisfactory
U unsatisfactory
V audit
K credit by examination
P passing
NR not reported

An "I" which has not been removed by the middle of the succeeding quarter is changed to an "F" unless the instructor recommends an extension in writing addressed to the appropriate Dean. The "S" and "U" symbols may be utilized for completion of degree requirements other than academic course work (such as student teaching, clinical practice, etc.). A "WF" (Withdrew, Failing) is recorded for any student withdrawing after the mid-term date. Exceptions to this policy must be approved by the Dean of the School in which the course is taught and will be approved only on the basis of hardship. Appeals for a change of grade may be initiated through the head of the appropriate academic department in accordance with the *Regulations* of Armstrong State College.

Honors

Dean's List: Students enrolled for at least ten quarter hours of course work who earn an honor point average of at least 3.6 will be placed on the Dean's List. Only course work taken at Armstrong will be used in the computation of Dean's List honors.

Cum Laude: Those students graduating with an honor point average of 3.2 through 3.499 will be graduated *cum laude*.

Magna Cum Laude: Those students graduating with an honor point average of 3.5 through 3.799 will be graduated *magna cum laude*.

Summa Cum Laude: Those students graduated with an honor point average of 3.8 through 4.0 will be graduated *summa cum laude*.

All work attempted at Armstrong and other accredited institutions will be considered in computing honors for graduation.

Attendance

The control of student attendance at class meetings and the effect of attendance on the grades in a course are left to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading. A student is also responsible for submitting on time all assignments and tests, recitations and unannounced quizzes.

The instructor will be responsible for informing each class at its first meeting what constitutes excessive absence in that particular class. Each student is responsible for knowing the attendance regulation and for complying with it. An instructor may drop a student from any class with a grade of "W" or "WF," as appropriate, if in the instructor's judgment the student's absences have been excessive.

Academic Standing

The college recognizes four academic categories: Good Standing, Good Standing with Warning, Academic Probation, and Academic Suspension. Students are expected to maintain or exceed the grade point average (GPA) as indicated in the chart below.

Quarter Hours Attempted at Armstrong and Elsewhere	Required Adjusted GPA
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-120	1.9
121 and over	2.0

A student who falls below the required GPA for the first time is placed on Good Standing with Warning. Failure to raise the adjusted GPA to the required level during the next quarter will result in Academic Probation. Students on Academic Probation are not in Good Standing. If the student's adjusted GPA is raised to the required level, the student is returned to Good Standing. The second or any subsequent failure to meet the required GPA will result in Academic Probation. In order to participate in extracurricular activities endorsed by the college, students must be in Good Standing or Good Standing with Warning. Students under warning should plan both curricular and extracurricular activities under the guidance of their advisors.

Students on Academic Probation who fail to achieve the required adjusted GPA, but who do earn an average of at least 2.0 during the pro-

bationary quarter, will be continued on Academic Probation for the next quarter of attendance. Students on Academic Probation who neither achieve the required adjusted GPA nor earn at least a 2.0 average during the probationary quarter will be placed on Academic Suspension from the college for one quarter. A student on Academic Suspension for the first time has the option of attending summer school without having to appeal the suspension. However, a student who fails to make satisfactory progress as a result of summer school will have to appeal for readmission in the fall quarter.

A student suspended for academic reasons for the first or second time may appeal by letter to the Committee on Admissions and Academic Standing. This letter should state the nature of any extenuating circumstances relating to the academic deficiency, and must be delivered to the office of the Vice President and Dean of Faculty no later than 9 AM of registration day. The Committee on Admissions and Academic Standing will make a recommendation to the President and the decision of the President is final.

A student re-entering the college after an Academic Suspension is placed on Academic Probation and must meet the requirements listed above. A third Academic Suspension is final.

Repeating Courses

Any course may be repeated with the last grade to be counted in the adjusted GPA. A student who repeats any course should complete a "Notice of Course Repetition" form available in the Office of Registrar.

Dropping Courses

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Office of the Registrar. The notice must be signed by the instructor of the course being dropped and returned by the student to the Office of the Registrar.

A student who drops a course not more than seven class days after the course begins will receive no grade for the course. A student who drops a course after the first seven class days and on or before the quarterly dates listed for mid-terms will receive a "W" or a "WF" depending on the status in the course. A student may not drop a course without penalty following the quarterly dates listed for mid-term. A student is

not allowed to drop ENG 025, 101, 102, or 201 at any time unless extenuating circumstances prevail. In order to drop one of these courses, the drop form must be authorized by the Dean of the School of Arts and Sciences and Education or a designated representative.

A Developmental Studies student (other than those auditing Developmental Studies courses) may not drop a Developmental Studies course without withdrawing from the College.

Withdrawing from College

Any student who finds it necessary to withdraw from college must begin the process in the Office of Student Affairs. A formal withdrawal is required to ensure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered on the basis of the date which appears on the withdrawal form.

Medical Withdrawals

A student may be administratively withdrawn from the college when in the judgment of Vice President of Student Affairs and the college physician, if any, and after consultation with the student's parents and personal physician, if any, it is determined that the student suffers from a physical, mental, emotional or psychological health condition which: (a) poses a significant danger or threat of physical harm to the student or to the person or property of others or (b) causes the student to interfere with the rights of other members of the college community or with the exercise of any proper activities or functions of the college or its personnel or (c) causes the student to be unable to meet institutional requirements for admission and continued enrollment, as defined in the student conduct code and other publications of the college.

Except in emergency situations, a student shall, upon request, be accorded an appropriate hearing prior to final decision concerning his or her continued enrollment at the college.

Auditing Courses

A regular student wishing to audit a course without receiving credit must obtain permission of the instructor before registering for the course. During the registration process the student should request to audit. A student may not change from audit to credit status or from credit to audit status after completing the process of

registration for a course. A student who audits a course will have a "V" recorded for that course. The regular schedule of fees applies to auditors. Unauthorized auditing is prohibited.

Honor Code

The Honor Code at Armstrong State College is dedicated to the proposition that the protection of the grading system is in the interest of the student community. The Student Court is an institutional means to assure that the student community shall have primary disposition of infractions of the Honor Code and that students accused of such infractions shall enjoy those procedural guarantees traditionally considered essential to fair and impartial hearing, the foremost of which is the presumption of innocence until guilt be established beyond a reasonable doubt.

I. Responsibilities of students:

All students must agree to abide by the rules of the Honor Code. A student shall not be accepted at Armstrong State College unless he or she signs a statement affirming his understanding of this agreement. The Honor Code shall be printed in the official bulletin and the Student Handbook.

It will be the responsibility of the Student Court or its designated representative to conduct an orientation program at the beginning of each quarter for all newly entering students to explain fully the Honor Code and to allow full discussion of its requirements.

Any student desiring assistance with any matter related to the Honor Code is invited to seek assistance in the Office of Student Affairs.

II. Violations of the Honor Code:

Violations of the Honor Code may be of two kinds: (a) general and (b) those related to the peculiarities of specific course-related problems and to the understanding of individual instructors. Any instructor whose conception of cheating would tend to enlarge or contract the general regulations defining cheating must explicitly notify the affected students of the qualifications to the general regulations which he or she wishes to stipulate. The following will be considered general violations of the Honor Code.

1. Giving or receiving any unauthorized help on any assignment, test or paper. The meaning of unauthorized help shall be made clear by the instructor of each class.
2. Stealing when related to cheating.
3. Plagiarizing. *Plagiarism* is the unacknowledged use of another's words or ideas. Students must be familiar with the explanation of plagiarism given in the writing handbook used in freshman composition classes (pp. 457-459 in the current text, **Writing: A College Handbook**, Heffernan and Lincoln, 1982). Ignorance of what constitutes plagiarism will not be accepted as an excuse for plagiarism.
4. Giving perjured testimony before the Student Court.
5. Suborning, attemptation to suborn, or in intimidating witnesses.
6. Failing to report a suspected violation of the Honor Code.

III. Reporting Violations of the Honor Code:

Anyone wishing to report a violation may come to the Office of Student Affairs for assistance in contacting members of the Student Court.

- A. Self-reporting: A student who has broken the Honor Code should report himself, to a member of the Student Court.
- B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter.
 1. Tell the person thought to be guilty to report himself to a member of the Student Court no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Student Court so that the Student Court may contact the accused person if he has not already reported himself.
 2. Report the suspected violation directly to a member of the Student Court without informing the accused.

IV. The procedural rights of the students accused of violations of the Honor Code:

The essence of the procedural rights of an accused is the right to be presumed innocent until proven guilty. Specific rights are as follows:

1. The accused will be notified in writing by the Student Court or its designated representative of the nature and details of the offense with which he is charged along with the names of his accusers and the principal witnesses to be brought against him. This notification shall occur no less than three days prior to the date of the hearing.
2. The accused has the right to counsel of his own choosing. Such counsel will not participate directly in the proceedings except to advise his client. It is expected that such counsel will be drawn from the college community.
3. The accused and the person bringing the charges shall be afforded an opportunity to present witnesses and documentary or other evidence. The accused and any individual bringing the charges shall have the right to cross examine all witnesses and may, where the witnesses cannot appear because of illness or other cause acceptable to the Court, present the sworn statement of the witnesses. The Court shall not be bound by formal rules governing the presentation of evidence, and it may consider any evidence presented which is of probative value in the case.
4. The accused may not be made to bear witness against himself. The Court may not take the refusal of the accused to testify as evidence of guilt, but this proviso does not give the accused immunity from a hearing or from recommendations reached in a hearing simply because the accused does not testify.
5. The accused shall have access to a complete audiotape of the hearing and to record prepared by the secretary.
6. The substantive facts of a case may be re-opened for consideration upon initiation of the accused acting through normal appeal channels. The accused shall not be put in double jeopardy.
7. All witnesses will be sequestered from the hearing room during the course of a hearing. Witnesses may not discuss a pending case.
8. By prior agreement, the accused will be allowed such observers of the hearing as may be commensurate with the

space available. Otherwise, in the interests of the right of privacy of the accused, hearings will be private, except that the College may also have observers additional to the advisors to the Student Court.

- V. The Student Conduct Committee, the Student Court and Advisors to the Student Court:

- A. Student Conduct Committee

1. The Student Conduct Committee shall be responsible to the faculty for recommending policies relating to the Academic Honor Code and the Code of Conduct, for formulating or approving rules, enforcement procedures, and sanctions within the framework of existing policies, and for recommending changes in the administration of any aspects of the Honor Code and the Student Code of Conduct. The Conduct Committee will also interview and select members for the Student Court.
2. The Committee shall consist of five teaching faculty members, the Vice President of Student Affairs and four students. The four students will be the President and Vice President of the Student Court, the President of the Student Government Association, and one student-at-large. The faculty members shall be appointed by the faculty in accordance with the faculty statutes.
3. The Vice President of Student Affairs shall assist the Conduct Committee in the development of policy and in the discharge of its responsibilities. He shall coordinate the activities of all officials, committees, student groups, and tribunals for student conduct.
4. All regulations or rules relating to student conduct that are proposed by any College official, committee or student group, and for which sanctions may be imposed in the name of the College, must be submitted to the Committee for consideration and review prior to submission to the faculty and the student body. The Committee shall have 10 days in which to review the same.

B. Student Court

1. The Student Court will be selected by the Student Conduct Committee and will be composed of twelve students. Due consideration will be given to equitable apportionment of court members on the basis of academic class, race, and sex. Students on academic probation may not serve. All appointments will be issued and accepted in writing. Appointments will be made during Spring Quarter in time for newly elected members of the Court to assume their duties by May 1. Appointments will be made as needed to keep the Student Court staffed to do business on a reasonably prompt basis. These appointments may constitute permanent or temporary replacements as the Student Conduct Committee deems necessary.
2. The Student Court will elect a President, Vice President, and a Secretary from its membership. The President will preside at all meetings. The Vice President will assume the duties of the President if the President is absent. The Secretary will maintain written notes of all proceedings and audiotape records of all testimony, and will maintain exhibits of evidence which by their nature may reasonably be maintained in the Court files. A quorum of the Court shall consist of seven members. A two-thirds majority secret ballot vote is required to reach a finding of guilty. All other questions may be decided by a simple majority vote.
3. Constituency of the Student Court during the Summer Quarter shall include all appointed members in attendance, and others shall be appointed to membership by the Student Conduct Committee.
4. Student Court members shall examine their consciences carefully to determine whether they can in good conscience serve on a panel hearing a particular case, and in the event that there is any doubt, whatsoever, such member shall ex-

cuse themselves from duty on the specific panel in question.

C. Advisors to the Court

1. An advisor and an associate advisor to the Student Court shall be appointed by the President of the College.
2. Ordinarily the advisor will serve in that office for one year only and usually will be succeeded in that position by the associate advisor. Therefore, after the initial appointments, only an associate advisor will ordinarily be appointed each year. The succession of an associate to the advisor position is deemed to occur on the last day of Spring Quarter. If, for any reason, the advisor is unable to complete his term, the associate advisor shall succeed to the office of advisor and another associate advisor shall be appointed by the above procedures. If, during the Summer Quarter, neither advisor is on campus, a temporary advisor will be appointed.
3. Duties of the advisor and the associate advisor: It shall be the duty of the advisor to consult with the Court and to offer advice to the President and members of the Court on substantive and procedural questions. The advisor, or the associate advisor in the event the advisor is unable to attend, shall be present at all meetings and hearings of the Court. The advisor may not vote nor may he participate directly in the conduct at hearings before the Court except through the chairman, or acting chairman, of the Court. The advisor should be governed at all times by the principle that a hearing before the Student Court is primarily a matter of student responsibility.

VI. Procedures and Penalties adopted by the Student Court.

The Student Court shall formulate its own bylaws governing internal organization and procedure. Such bylaws must be consistent with the Honor Code.

- A. Hearings shall be called by the Court President to be held on a date not less

than three nor more than ten class days after notice to the accused as provided in Section IV-2. Exceptions to these time requirements may be granted.

- B. Upon reaching a finding of guilty, the Court shall make a recommendation to the Vice-President of the College as to the administrative action it deems appropriate within the following limitations:

1. A minimum penalty shall be loss of assignment or test credit for the assignment or test for violations involving cheating as specified in Section II, subsections 1, 2, and 3. Additional penalties such as reprimands, suspension, or others may be recommended for any aspects of Section II.
2. Maximum penalty for a first offense of any type shall be suspension for a full calendar year.
3. Maximum penalty for a second offense may be suspension for three years.

- C. Immediately following a hearing, the accused will be informed of the Court's finding, and its recommendation to the Vice President of the College. If the finding is guilty, the accused will be informed that the Court may reopen the case with the consent of the accused for good cause, within a three week period.

- D. The Vice President of the College will inform all involved persons in writing of the action he has taken in view of Court recommendation. The Court Secretary will post public notice of the Vice President's action by case number without identifying the accused.

VII. Appeals of Findings and Penalties:

Should a student have cause to question the findings of the Court or the action of the Vice President of the College or both, he has the right to appeal. The channels of appeal are as follows:

- A. Court findings and/or the administrative action of the Vice President of the College may be appealed within five days by writing the President of the College. Further appeal procedures will conform to the appeal procedures of the College and of the *Policies of*

the Board of Regents, University System of Georgia.

VIII. Supervision of the Student Court:

As an institutional means of responding to reported infractions of the Honor Code, the Student Court is ultimately responsible to the President of the College.

Supervision of the Student Court will be accomplished ordinarily through the Dean of Student Affairs and the Advisors.

In accordance with Article VI, Section F, of the College Statutes, the Dean of Student Affairs will provide general supervision of the Student Court and will provide other guidance or services as directed by the President of the College.

- IX. Revision of the Honor Code will require confirmation by the majority vote of those faculty and student body members voting.

DEGREE REQUIREMENTS

General Degree Requirements

1. Each student is responsible for fulfilling the requirements of the degree program chosen in accordance with the regulations of the college catalog.
2. Exceptions to course requirements for a degree are permitted only with the written approval of the appropriate Dean, upon the recommendation of the department head.
3. A student will normally graduate under the catalog in effect at the time of admission to the College. In the School of Health Professions, a student will graduate under the catalog in effect at the time of admission or readmission (whichever is more current) to a particular Health Professions program. Armstrong State College, however, reserves the right to change any provision listed in this catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. If students have been absent from the College for two or more consecutive years, they should expect to meet all requirements in effect at the time of return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence, exten-

sion, or examination. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or in English composition or foreign language. No correspondence courses may be taken while a student is enrolled, without prior approval of the appropriate Dean and the head of the department in which the student is majoring.

5. By State law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Government and in Georgia History and Government. A student at Armstrong State College may demonstrate such proficiency by:
 - A. Examinations. Students may take either the relevant CLEP, College Board Admissions Testing Program Achievement Test, or Advanced Placement Test.
 - B. Credit in certain courses. For U.S. and Georgia government - Political Science 113; for U.S. and Georgia History - History 251 or 252 or any upper division course in U.S. History.
6. To qualify for the baccalaureate degree, a student must earn at Armstrong at least 45 quarter hours of credit applicable toward the degree. Additionally, the student must complete successfully at Armstrong at least half of the upper division credits required in the major field of study. For students in teacher education programs, the major field of study is the teaching field. For the Associate Degree, the student must complete at least 45 quarter hours of course work at Armstrong State College. Armstrong students enrolled in the cooperative degree programs with Savannah State College in Business Education, Industrial Arts Education, and Trade and Industrial Education may be exempted from these requirements by a recommendation of the Dean of the School of Arts, Sciences and Education, concurrence by the Education Curriculum Committee and approval of the Committee on Academic Standing.
7. For graduation the student must earn an overall average of 2.0 or better considering work taken at all colleges, computed in such manner that a course will be counted

only once, regardless of the number of times that it has been repeated. The grade earned in the last attempt will determine the number of honor points assigned for graduation. Additionally, the student must earn a GPA of 2.0 or better in each of the following:

- A. all work at Armstrong
- B. All courses in the major field.
8. To qualify for a second Armstrong baccalaureate degree, a candidate must earn at Armstrong at least 45 additional hours of credit and meet all qualitative requirements for the degree.
9. Before a degree will be conferred students must pay all fees and must submit to the Registrar a completed **Application for Graduation** two quarters before graduation. A candidate for a degree, unless excused in writing by the President, Vice President and Dean of Faculty, Vice President of Student Affairs, or Dean of Academic and Enrollment Services, must attend the graduation exercises at which a degree is to be conferred.
10. All students must successfully complete the Regents' Test and must take an Exit Examination in their major field as may be stipulated as requirements for graduation. Candidates for a second baccalaureate degree are exempted from the Regents' Test requirement.

Core Curriculum Requirements

Each unit in the University System of Georgia requires as a Core Curriculum for all baccalaureate degree programs the following minimum number of quarter hours in the major areas of study.

	Hours
Area I	
Humanities, including, but not limited to, grammar & composition & literature.....	20
Area II	
Mathematics & the natural sciences, including, but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences.....	20
Area III	
Social Sciences, including, but not limited to, history & American government.....	20

Area IV

Courses appropriate to the major field of the individual student..... 30

TOTAL 90

In addition to the University System Core Curriculum requirements as outlined above, Armstrong State College requires six quarter hours in physical education as part of all baccalaureate degree programs.

Requirements

The student in any baccalaureate degree program at Armstrong State College must complete the following specific Core Curriculum requirements. Consult the relevant departmental section for a complete statement of degree requirements for a specific program. Certain courses in the Core Curriculum may be exempted with credit awarded.

	Hours
Area I	
Humanities	20
ENG 101, 102 or 192, 201 or 292	15
One of the following courses:	
ART 200, 271, 272, 273, MUS 200,	
PHI 201, ENG 222	5
Area II	
Mathematics & the Natural Sciences	20
One course from MAT 101, 103,	
or 206, and an additional	
course from MAT 103, 195,	
206, 207, 220, or 290	10
One of the following course sequences:	
BIO 101 or 111, 102 or 112	
CHE 121, 122	
CHE 128, 129	
PHY 211, 212	
PHY 217, 218	
PHS 121, 122	10
Area III	
Social Sciences	20
HIS 114 or 191, 115 or 192	10
POS 113	5
One course selected from:	
PSY 101, SOC 201, ANT 201, ECO	
201 or 202, GEO 212	5
Area IV	
Courses Appropriate to the Major Field	30
Art	
ART 111, 112, 201, 202, 213	25
MUS 200	5

Art Education

ART 111, 112, 201, 213	20
EDN 200	5
PSY 101	5

Biology

SCI and/or MAT electives (100-200 level) or any foreign language	10
CHE 128, 129	10
BOT 203 and ZOO 204	10

Biology Education

CHE 128	5
EDN 200	5
PSY 101	5
BOT 203 and ZOO 204	10
One course selected from: ART	
200, 271, 272, 273, MUS 200, DRS	
228	5

Business Education

ACC 211, 212	10
EDN 200	5
BAD 201	5
PSY 101	5
One course selected from: ART 200,	
271, 272, 273, MUS 200, DRS 228	
.....	5

Chemistry*

CHE 128, 129, 211	15
MAT 206	5
PHY 213 or 219	5

One course selected from:

Computer Science, Mathematics	
or Natural Science	5

Chemistry Education

BIO 101, 102	10
CHE 211	5
EDN 200	5
PSY 101	5

One course selected from: ART 200, 271, 272, 273, MUS 200, DRS 228

Computer Science

CS 142, 231, 242	15
MAT 206, 207, 260	15

Criminal Justice

CJ 100, 103, 210, 280, 290	20
One course selected from: ANT 201,	
ECO 201, 202, DRS 228, PSY 101,	
SOC 201	5
HIS 251 or 252	5

Dental Hygiene Education

BIO 101, 102	10
CHE 121, 122	10
DRS 228	5
PSY 101, or SOC 201	5

rama/Speech		Industrial Arts Education	
Any foreign language 101, 102, 103, and 201	20	DRS 228	5
DRS 227 and 228	10	EDN 200	5
arly Elementary Education		IAE 201, 202, 203	15
EDN 200, 202	10	PSY 101	5
DRS 228	5	Mathematical Sciences	
GEO 211 or 212	5	CS 142	5
HIS 251 or 252	5	MAT 206, 207	10
PSY 101	5	Two of the following	10
nglish		MAT 208; CS 242, 260	
Any foreign language 101, 102 103, 201	20	HIS 251 or 252	5
CS 115, and one of the following: ART 200, 271, 272, 273, MUS 200, PHI 201, ENG 222	10	Mathematics Education	
nglish Education		EDN 200	5
Any foreign language sequence	15	*A foreign language sequence is recom- mended.	
DRS 228	5	MAT 206, 207, 208	15
EDN 200	5	PSY 101	5
PSY 101	5	One course selected from: ART 200, 271, 272, 273, MUS 200, DRS 228	5
eneral Studies		Medical Technology	
Two courses selected from: ART 200, 271, 272, 273, ENG 222, MUS 200, PHI 201, any two foreign language courses through 200 level	10	BIO 101 or 111	5
HIS 251 or 252	5	ZOO 208	5
One or two course selected from: ANT 201, CS 115, 120, 142 ECO 201, 202, PSY 101, SOC 201	5-10	Electives in Biology, Chemistry and/or Computer Science	20
One or two courses selected from: BIO 101, 102, 111, 112, BOT 203, CHE 121, 122, 128, 129, 201, 202, 211, PHY 211, 212, 213, 217, 218, 219, PHS 121, 122, ZOO 204, 208, 209	5-10	(Must contain at least 1 Biology or Zo- ology course which completes a 10 hour sequence, and 1 Chemistry course.)	
Health and Physical Education		Middle School Education	
EDN 200, DRS 228, PSY 101	15	DRS 228	5
PE 117, PEM 250, 252; H.S. 261, 262	15	EDN 200	5
Health Science		GEO 211 or 212	5
HS 100	5	HIS 251 or 252	5
HIS 150 & HIS 251 or 252	10	PSY 101	5
PSY 101	5	EDN 240	2
ZOO 208, 209	10	CS 296	3
History		Music*	
Any foreign language 102, 103	10	MUS (Theory) 111, 112, 113, 211, 212, 213	18
HIS 251, 252	10	MUS (Applied) 140, 240	12
Two courses selected from: ANT 201, ECO 201, GEO 211, 212, MAT 220, PSY 101, SOC 201	10	Music Education	
		EDN 200	5
		MUS 111, 112, 113, 140, 236, 281	20
		PSY 101	5
		Nursing	
		BIO 210	5
		PSY 295	5
		SOC 201	5
		ZOO 208, 209, 215	15

Physics Education

BIO 101, 102.....	10
EDN 200.....	5
PHY 213 or 219	5
PSY 101	5
One course selected from: ART 200, 271, 272, 273, MUS 200, DRS 228	5

Physical Science

PHY 211, 212, 213 or PHY 217, 218, 219.....	15
MAT 206, 207, 208	15

Political Science

Any foreign language sequence 101, 102, 103, or CS 115, 142, and 231	15
HIS 251 or 252.....	5
ECO 201, GEO 111, HIS 251 or 252, PSY 101, SOC 201	10

Psychology*

ANT 201.....	5
BIO 101, 102.....	10
HIS 251 or 252.....	5
MAT 220.....	5
PSY 101	5

Social Science Education

EDN 200.....	5
PSY 101	5
Any foreign language or computer science sequence	15
One course selected from: ART 200, 271, 272, 273, MUS 200, DRS 228	5

Social Science Education - History

EDN 200, PSY 101.....	10
One course from: ART 200, 271, 272, 273, DRS 228, MUS 200	5
Approved language sequence through 103.....	15

Social Sciences Education - Political Science

EDN 200, PSY 101.....	10
One course from: ART 200, 271, 272, 273; DRS 228; MUS 200	5
Approved electives.....	15

Social Studies Education - Broad Fields (History)

EDN 200.....	5
One course from: ANT 201, ECO 201, GEO 211, SOC 201.....	5
One course from: ART 200, 271, 272, 273; DRS 228; MUS 200	5
Approved language sequence through 103.....	15

Social Studies Education - Broad Fields (Political Science)

EDN 200.....	5
One course from: ANT 201; ECO 201, 202; any GEO course; SOC 201	5
One course from: ART 200, 271, 272, 273; DRS 228; MUS 200	5
Approved language sequence through 103.....	15

Social Work (major is under de-activation)

HIS 252	5
SOC 201	5
SW 250.....	5
Any foreign language sequence 101, 102, 103 or PHI 201, ANT 201, and one five hour social science elective (100-200 level)	15

Speech Correction

PSY 101, 202	10
EDN 200, EXC 220	10
HIS 251 or 252.....	5
One course from: ART 200, 271, 272, 273, MUS 200, DRS 228	5

Trade and Industrial Education

DRS 228.....	5
EDN 200.....	5
PSY 101	5
TIE 100, 200, 210	15

Area V

Physical Education Requirements

PE 103 or 108, and 117 or 166	
(Student should check his program of study.)	

Three courses selected from: PE 100, 101, 102, 104, 105, 106, 107, 109, 200, 201, 203, 204, 205, 206, 207, 208, 209.	
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MIL 203, 206	
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(If MIL 203 is elected, total hours total four.)

Total Core Curriculum Hours 96-99

Students should complete all core curriculum requirements during their freshmen/sophomore years.

*A foreign language sequence is recommended.

Regents' Testing Program

Each institution of the University System of Georgia shall assure the other institutions, and the System as a whole, that students obtaining degree from that institution possess certain minimum skills of reading and writing. The Regents' Testing Program has been developed to help in the attainment of this goal. The objectives of the Testing Program are: (1) to provide Systemwide information on the status of student competence in the areas of reading and writing; and (2) to provide a uniform means of identifying those students who fail to attain the minimum levels of competence in the areas of reading and writing.

Students enrolled in undergraduate degree programs leading to the baccalaureate degree shall pass the Regents' Test as a requirement for graduation. Students must take the Test in the quarter after they have completed 60 quarter credit hours if they have not taken it previously. Each institution shall provide an appropriate program of remediation and shall require students who have earned 75 quarter credit hours and have not passed the Test to enroll in the appropriate remedial course or courses until they pass the Test. Students with 60 or more college-level credit hours transferring from System programs that do not require the Regents' Test or from institutions outside the System shall take the Test during their initial quarter of enrollment in a program leading to the baccalaureate degree and in subsequent quarters shall be subject to all provisions of this policy.

The Regents' Test is not a requirement for an Associate of Applied Science Degree or an Associate of Science degree in an allied health field, although institutions may choose to require the Test for these degrees. **(Armstrong State College has chosen to require the Test of all undergraduates who have not earned a baccalaureate or higher degree regardless of degree objective.)**

A student holding a baccalaureate or higher degree from a regionally accredited institution of higher education will not be required to complete the Regents' Test in order to receive a degree from a University System institution.

The Chancellor will issue administrative procedures for the operation of the Regents' Testing Program. (A copy of Regents' Testing Program Administrative Procedures is available from the Office of Student Affairs, Room 11, Administration Building.)

According to "Regents' Testing Program Administration Procedures" institutions may increase requirements related to the Regents' Testing Program "provided that such increased requirements are authorized by the Chancellor and ... published in the official catalog of the institution prior to implementation."

Testing and Remediation Requirements

Students attending Armstrong State College are urged to take the Regents' Test during their first quarter of enrollment after the quarter in which the 45th credit hour is earned. For the purpose of enforcing Regents' Testing Program Policy, enrolled students are identified by computer-printed notices on end-of-quarter grade reports and transfers through the processes of admission and transcript evaluation. Students register for the Test at the Office of Student Affairs within the publicized test registration period.

Students who are scheduled to take the writing portion of the Regents' Test must first attend a one-hour Regents' Test Prep Session sponsored by the Armstrong Writing Center. This requirement applies only to students who are taking the test for the first time. Students who seek exemption from the Prep Session requirements must consult with the Head of the Department of Languages, Literature, and Dramatic Arts. Only those students who have completed composition courses with an average grade of **B** or better may be exempted.

Students who neglect to take the Regents' Test until their first quarter of enrollment after the quarter in which the 60th credit hour is earned may be barred from all phases of registration until after Test scores are posted.

Regardless of credit hours earned, students who do not pass the Regents' Test may be required by Armstrong State College to take remedial courses before they retake the Regents' Test. In accordance with Regents' Testing Program Policy, students who have not passed the Test and who have earned 75 quarter hours must take remedial courses, whether or not they have attempted the test.

Students who fail the reading portion of the Regents' Test and who have less than 75 hours earned with an adjusted GPA of 2.5 or better may appeal the requirement for Developmental

Studies Reading 025 (Developing Reading Maturity) to the Dean of Academic and Enrollment Services.

Students who fail the essay portion of the Test and have less than 75 hours earned with an adjusted GPA of 3.0 or better and a 3.0 or better in required core courses in English may appeal the requirement for English 025 (Composition Review) to the Head of the Department of Languages, Literature, and Dramatic Arts.

Special Categories of Students

Students whose native language is not English must take the reading component of the Regents' Test, but may take a college examination to certify competence in writing. The college equivalence of the essay component of the Regents' Test is administered on the same date as the reading component of the Test. International students are allowed two hours for each test.

Students who are handicapped may request additional time for the Regents' Test.

Essay Review

Students may request a formal review of failure on the essay component of the Regents' Test if the essay received at least one passing score and the review is initiated in the first quarter of enrollment following testing and no more than one year from the quarter in which the failure occurred. Students may initiate an essay review at the Office of Student Affairs.

Health Professions Program Requirement

Before a student in a Health Professions program may enter his/her last quarter, he/she must have passed the Regents' examination.

Physical Education Requirements

All students who are enrolled in baccalaureate degree programs for ten or more quarter hours on the daytime schedule must adhere to Armstrong Core Curriculum Area V requirements. Any student who holds a valid senior life saving certificate and/or a valid water safety instructor certificate and/or passes the Armstrong swimming test may be exempted from PE 103 or PE 108. Physical education is not required of anyone who is beyond the age of 25 at the time of

initial matriculation at Armstrong or of anyone enrolled primarily in evening classes.

Students should check their program of study for P.E. 117 and/or 166 requirements.

English and Mathematics Placement Tests

During the initial quarters of enrollment at Armstrong State College, students must enroll in the appropriate sequence of English composition courses until the sequence has been completed and/or the Regents' Test has been passed. Students must not delay this sequence beyond their second quarter of attendance. For assistance in identifying the appropriate English composition courses, students should consult advisors in the departments of their declared majors or the Office of Admissions, or the Department of Languages, Literature, and Dramatic Arts. See Languages, Literature, and Dramatic Arts Department for further information.

The College reserves the right to place students in appropriate English and mathematics courses in the core curriculum. Diagnostic tests are administered for this purpose.

State Requirement In History and Government

By State law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Government and in Georgia History and Government. A student at Armstrong State College may demonstrate such proficiency by:

- A. Examinations. Students may take either the relevant CLEP, College Board Admissions Testing Program Achievement Test, or Advanced Placement Test.
- B. Credit in certain courses. For U.S. and Georgia government - Political Science 113; for U.S. and Georgia History - History 251 or 252 or any upper division course in U.S. History.

Requirements for the Bachelor of Arts and the Bachelor of Science Degrees

Requirements for each major program leading to the degree of Bachelor of Arts with a major in Art, English, History, Music, Political Science

psychology, or to the degree of Bachelor of Science with a major in Biology, Chemistry, Computer Science, or Mathematical Sciences are prescribed in the appropriate departmental listing. For the BA and the BS degrees, a minimum of 185 quarter hours, exclusive of the required physical education courses, is required for graduation.

Each student in one of these major programs must complete the 90-hour core curriculum requirement as listed above, along with the 6-hour Physical Education requirement.

The student will not be allowed to take senior division courses in the major field unless he has minimum grade of "C" in all prerequisite courses in that field. No major program in a department will require more than 60 quarter hours at all levels in the major field, however, the department may recommend up to 70 quarter hours.

For its major program, a department will require from 15 to 30 quarter hours of specific courses or approved elective courses in related fields and may require language courses reaching the degree of proficiency specified by the department. Total requirements in the major and related fields, may not exceed 85 quarter hours. Each BA or BS degree program, except those designed for Dental Hygiene, Medical Technology, Nursing and teacher certification, will include a minimum of 15 hours of electives approved for credit within the Armstrong State College curriculum.

Associate Degree Requirements

Each associate degree program includes as part of its curriculum the following:

ENG 101, 102.....	10
HIS 251 or 252.....	5
POS 113.....	5
One five hour course selected from Areas I, II, or III of the Baccalaureate Core.....	5
Three PE credit hours.....	3

TOTAL 28

Students in associate degree programs are required to complete successfully the Regents' examination and may be required to take an Exit examination in the appropriate area of concentration.

Numbering System for Courses

In the course listing to follow, there appear three numbers in parentheses after each course title. The first number listed indicates the number of hours of lecture; the second number listed indicates the number of hours of laboratory; the third number listed indicates the number of quarter hours of credit carried by the course. The letter "V" represents variable hours.

Courses numbered 0-99 carry institutional credit only and may not be applied to a degree program. Courses numbered 100-199 are generally planned for the freshman year; courses numbered 200-299 for the sophomore year; courses numbered 300-399 for the junior year and course numbered 400-499 for the senior year.

Courses taken to fulfill core curriculum requirements may not be used to meet other requirements of a degree program.

Lettering System for Course

In the course listings given in the Armstrong Core Curriculum requirements and in the departmental curricula which follow, there appear two or three letters preceding a three digit number. Following is an exhaustive list of all abbreviations used for course designation purposes.

ACC = Accounting (SSC)

ANT = Anthropology

ART = Art

AST = Astronomy

BE = Business Education (SSC)

BAD = Business Administration (SSC)

BIO = Biology

BOT = Botany

BSN = Baccalaureate Nursing

CJ = Criminal Justice

CL = Comparative Literature

CS = Computer Science

CHE = Chemistry

DH = Dental Hygiene

DRS = Drama and Speech

DSE = Development Studies English

DSM = Dev. Studies Math

DSR = Dev. Studies Reading

DSS = Dev. Studies Study Techniques

ECE = Early Childhood Education
ECO = Economics
EDN = Education
EEE = Early Elementary Education
EGR = Engineering
ENG = English
ENT = Entomology
ETc = Engineering Technology (SSC)
EXC = Exceptional Children

FLM = Film
FRE = French

GEL = Geology
GEO = Geography
GER = German

HE = Health Education
HS = Health Science
HIM = Health Information Management
HIS = History

IAE = Industrial Arts Education (SSC)

JRN = Journalism

LM = Library Media
LS = Library Science
LAT = Latin
LIN = Linguistics

MH = Mental Health
MT = Medical Technology

MAT = Mathematics
MET = Meteorology
METc = Mechanical Engineering Technology (SSC)
MIL = Military Science
MSN = Nursing (Master's)
MPS = Museum/Preservation Studies
MUS = Music

NSc = Naval Science
NUR = Nursing (Associate)

OAD = Office Administration (SSC)
OCE = Oceanography

PA = Public Administration
PE = Physical Education
PEM = Physical Education Major
PHI = Philosophy
PHS = Physical Science
PHY = Physics
POS = Political Science
PSY = Psychology

RT = Respiratory Therapy
RAD = Radiologic Technologies

SOC = Sociology
SPA = Spanish

TIE = Trade and Industrial Education (SSC)

ZOO = Zoology

DEGREE PROGRAMS

The degree programs of Armstrong State College are presented in this catalog by school, by department. The College is organized into two schools, each administered by a dean, and two non-school affiliated departments. The degrees offered in each school and the departments in which they are offered are listed below:

School of Arts, Sciences, and Education

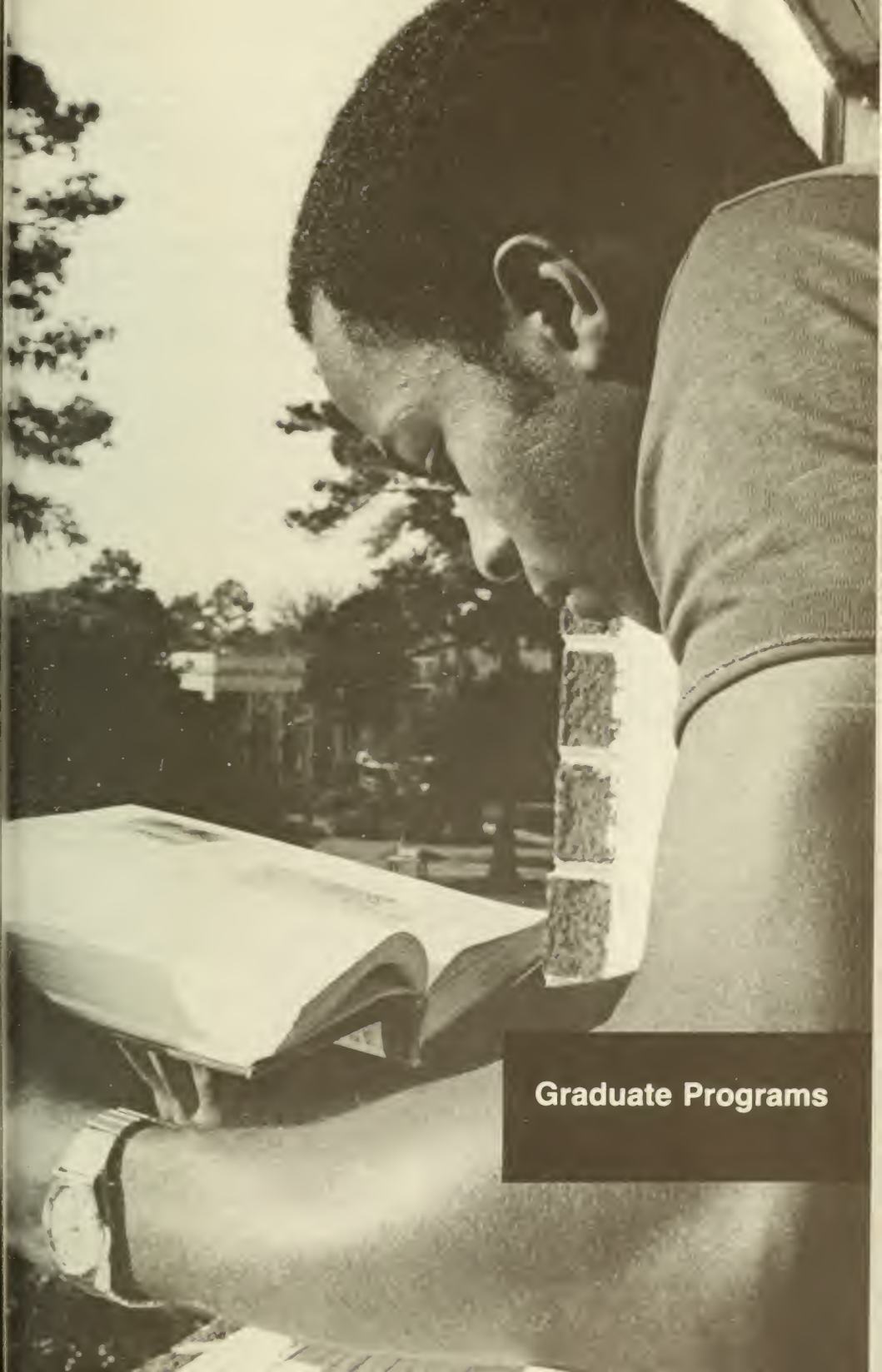
degree	Department
Associate of Arts	Fine Arts
Associate of Applied Science	
Criminal Justice	Government
Early Childhood Education	Education
Bachelor of Arts	
Art	Fine Arts
Drama/Speech	Languages, Literature, and Dramatic Arts
English	Languages, Literature, and Dramatic Arts
History	History
Music	Fine Arts
Political Science	Government
Psychology	Psychology
Bachelor of General Studies	Interdepartmental
Bachelor of Music Education	Fine Arts
Bachelor of Science	
Biology	Biology
Chemistry	Chemistry and Physics
Computer Science	Mathematics and Computer Science
Criminal Justice	Government
Mathematical Sciences	Mathematics and Computer Science
Physical Science	Chemistry and Physics
Bachelor of Science in Education	
Early Elementary Education	Education
Middle School Education	Education
Secondary Education	
Art Education	Education
Biology Education	Education
Broad Field Social Studies	Education
*Business Education	Education
Chemistry Education	Education
English Education	Education
*Industrial Arts Education	Education
Mathematics Education	Education
Music Education	Education
Physics Education	Education
Social Science Education	Education
Speech Correction	Education
*Trade/Industrial Education	Education
Bachelor of Arts	
History	History
Bachelor of Education	
Early Elementary Education	Education
Elementary Education	Education
Middle School Education	Education

Secondary Education	
Business Education	Education
English	Education
Mathematics	Education
Science Education	Education
Social Studies	Education
Special Education	Education
Behavior Disorders	Education
Learning Disabilities	Education
Speech/Language Pathology	Education
Master of Science	
Criminal Justice	Government

School of Health Professions

Degree	Department
Associate of Science	
Dental Hygiene	Dental Hygien
Nursing	Associate Degree Nursin
Radiologic Technologies	Radiologic Technolog
Respiratory Therapy	Respiratory Therap
Bachelor of Science in Education	Health Science, Physical Education and Recreation
Bachelor of Science in Dental Hygiene Education	Dental Hygien Dental Hygien
Bachelor of Science in Medical Technology	Medical Technolog
Bachelor of Science in Nursing	Baccalaureate Nursin
Master of Health Science	Health Science, Physical Education and Recreation
Master of Science in Nursing	Baccalaureate Nursin

*Offered in conjunction with Savannah State College



Graduate Programs

Academic Policies and Information History

The development of graduate education at Armstrong State College is linked to a history of graduate course offerings in Savannah which has involved several institutions of the University System of Georgia. Prior to 1968, only off-campus extension courses from the University of Georgia and other institutions were offered in Savannah. In the summer of 1968, Savannah State College began offering courses in residence for their new master's degree in elementary education. This program was accredited by the Southern Association of Colleges and Schools and was approved by the Georgia State Board of Education.

In the Fall of 1971, Armstrong State College and Savannah State College joined efforts to offer a joint program of graduate work. The combined faculties, library holdings, and facilities of the Colleges made possible the expansion of the graduate program to include a Master of Business Administration Degree Program; to add secondary options in the Master of Education degree program; and to supersede most of the off-campus courses offered in Savannah by other institutions. This Joint Graduate Studies Program of Savannah State College and Armstrong State College was fully accredited by the Southern Association of Colleges and Schools, with its degree programs in education approved by the Georgia State Department of Education.

Effective Fall, 1979, the Joint Graduate Studies Program was terminated by action of the Board of Regents, and Armstrong was authorized to continue its graduate offerings with a significant modification. All business administration programs, courses, and faculty were transferred to Savannah State College, and simultaneously, all teacher education programs, courses, and faculty were transferred to Armstrong State College.

In Winter, 1981, the Master of Health Science program was established. In Fall, 1981, the Master of Science degree with a major in Criminal Justice was approved by the Board of Regents. The graduate course work for the MS in Criminal Justice Program was initiated in the Fall quarter 1982. Specialist in Education Degree programs in Elementary, Special, and Secondary Educa-

tion were offered from Fall, 1984 through Fall 1988. The graduate program leading to an M.A. in History was initiated in the Spring Quarter 1985.

Purpose

The Graduate Program of Armstrong State College is dedicated to service through educational programs, community involvement; an faculty and student research, scholarship and creativity. By offering advanced preparation to those who serve in the schools and in other professional activities, the program contribute to the development of professional people, and through them, to the well being of those whom these professionals serve. The philosophy of the Graduate Program affirms the dignity and worth of individuals and the realization that professional men and women must be productive, articulate, and pro-active.

Degrees and Degree Coordinators

Armstrong State College offers the degree of: Master of Arts, Master of Education, Master of Health Science and Master of Science, in fields of study noted below. The specification for each of the degree programs are presented in the departmental sections where the program coordinator is located.

Criminal Justice - Master of Science
Coordinator, Dr. Dennis Murphy

Education - Master of Education

Majors and coordinators for M.Ed. Program:

Business Education, Dr. Lloyd Newberry
Early Elementary Education, Dr. Lloyd Newberry

English, Dr. Robert Strozier
Mathematics, Dr. Dale Kihefner
Middle School Education, Dr. Lloyd Newberry

Science Education, Dr. Lloyd Newberry
Social Studies, Dr. Lloyd Newberry
Special Education, Dr. Lloyd Newberry
Behavior Disorders
Learning Disabilities
Speech/Language Pathology

Health Science - Master of Health Science

Concentrations available:

- Administration
- Computer Science
- Education
- Health Education
- Public Policy

Coordinator, Dr. Emma Simon

Nursing - Master of Science

Coordinator, Dr. Marilyn Buck

Coordinators by Department:

Dr. Dale Kilhefner, Mathematics/Computer Science

Dr. Dennis Murphy, Government

Dr. Marilyn Buck, Baccalaureate Nursing

Dr. Emma Simon, Health Science, Physical Education, Recreation

Dr. Lloyd Newberry, Education

Dr. Robert Strozier, Languages, Literature, Dramatic Arts

ADMISSIONS

Requirements—Masters Level

Applicants desiring admission on a degree-seeking status must present satisfactory undergraduate academic records and satisfactory scores on appropriate admissions examinations. Some of the graduate degree programs have specialized test requirements, specified undergraduate course requirements, or other requirements for degree-seeking students. Refer to the departmental sections for specific information on these requirements.

General requirements for degree-seeking students include the following: applicants for all Master of Education programs must provide satisfactory scores on either the General Test of the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT). Satisfactory undergraduate grades must be presented by all degree-seeking students. Applicants for the Master of Health Science program must provide satisfactory scores on either the Graduate Record Exams (GRE), the Graduate Management Admissions Test (GMAT), or the Miller Analogies Test (MAT). Applicants for the MS Degree in Criminal Justice must provide a satisfactory score on the General Test of the Graduate Record Exams (GRE) or the Miller Analogies Test

(MAT). Applicants for the M.A. Degree in History must provide satisfactory scores on both the General and the History Subject Tests of the Graduate Record Exams (GRE). Applicants for the M.S. Degree in Nursing must provide a satisfactory score on the General Tests of the Graduate Records Exams (GRE).

Admission to some programs may require satisfactory scores on either the appropriate Specialty Area of the NTE or the appropriate Subject Test of the GRE. For details of such requirements, consult the appropriate departmental entry in the Catalog or the Department Head.

Applications for the above examinations are usually available at the College and will be given to students who come to the College to obtain them. Students who wish to write for an application form or to submit an application for the GRE or GMAT should contact: Educational Testing Service, Princeton, New Jersey, 08540. Students who wish to take the MAT should contact the appropriate Dean's office. Students should request that their test scores be sent to the Graduate Admissions Office, Armstrong State College, Savannah, Georgia 31419-1997.

Categories of Admission Regular Degree Status Definition

Regular Admission means that a student has met all admission requirements and is admitted to a degree program with full graduate status.

Requirements

A student who has earned a baccalaureate degree from an accredited college, who has completed all of the prerequisites for his planned graduate field of study, and who meets the other requirements of the Graduate Program may be admitted on Regular Admission status. These requirements include minimum undergraduate grade-point averages in combination with certain minimum test scores.

For M.Ed. programs, a minimum GPA of 2.5 and a minimum test score of 44 on the MAT or 800 on the GRE General Test are required.

For the M.H.S. program, a minimum GPA of 2.5, and a minimum test score of 800 on the GRE, or 40 on the MAT are required. For further information, consult with the Coordinator of the Health Science Program.

For the Criminal Justice M.S. program, a minimum GPA of 2.5 and a minimum test score of either 900 on the General Test of the GRE or 51 on the MAT are required. For further information consult with the Head of the Department of Government.

For the M.A. in History program, a minimum GPA of 3.0 (both overall and in history courses) and GRE scores of 1000 in the General and 500 in the History Subject Tests are required. For further information consult with the coordinator of the History Graduate Program.

For the M.S. in Nursing program, a minimum GPA of 2.5 and a minimum test score of 850 on the General Test of the GRE are required. For further information consult with the Coordinator of the MSN Program.

Degree programs providing teacher certification have other admission requirements, including: (1) a recommendation from the school in which a student has been employed as a teacher or has completed a student internship, and (2) eligibility for fourth level certification in the field of study. (For further information on admission to certification programs, consult the Office of the Dean of Arts, Sciences, and Education.)

Provisional Degree Status Definition

Provisional Admission means that a student has applied for admission to a degree program and has some condition affecting his status such as low grades or test scores. The student is admitted to a degree program but must meet certain conditions before achieving full graduate status (i.e., Regular Admission).

Requirements

For Provisional Admission, a student must hold a baccalaureate degree and meet the other admission requirements of the Graduate Program. These requirements include minimum undergraduate grade point averages in combination with certain minimum test scores.

For the Master of Education programs, students who fail to meet Regular Admission may be granted Provisional Admission if the combinations of their GPA and test scores conform to the following formulas:

$$\begin{aligned} (\text{GPA} \times 100) + (\text{MAT} \times 10) &= 560 \text{ or more} \\ (\text{GPA} \times 100) + (\text{GRE General}) &= 1000 \text{ or more} \end{aligned}$$

In no case, however, may the GPA be less than 2.2, the MAT less than 31, or the GRE less than 700.

For the M.H.S., Criminal Justice, and M.S.N. Programs, students who fail to meet Regular Admission score requirements may be granted Provisional Admission if the combinations of their GPA and test scores conform to established formulas.

For the M.A. in History program, the minimum GRE requirement for Provisional Admission is 800 for the General Test and 450 for the History Subject Test. The GPA requirement is 2.5 overall and 2.75 in history. For further information, consult with the coordinator of the History Graduate Program.

For area test scores required by any department, see the appropriate departmental entry.

Additional Stipulations for Provisional Admission

As with Regular Admission, recommendation forms and other aspects of the Admissions Procedures must be adhered to.

Provisionally admitted students may be required to remove any specific deficiencies that are ascertained by taking undergraduate supporting courses before these students are allowed to attempt graduate courses within the program to which they have been admitted. Students may remain admitted on a provisional basis until they have attempted 15 hours of approved graduate work in residence. If they satisfactorily complete the initial, approved 15 hours of graduate work with no grade less than a "B"—of which 10 hours must be in the professional sequence—and submit the NTE Specialty test score, if required, these students may submit a written request to move into Regular status.

Upon satisfying the NTE Specialty test score, if required, and upon completing 25 hours of approved course work in residence with a "B" average or better, of which 15 hours must be in the major field of study, any provisionally admitted student will be eligible for Regular status. If the student does not have a "B" average or better upon completing these 25 hours of course work, he or she will be dropped as a degree seeking student and prohibited from enrolling in further graduate courses.

Post Baccalaureate and Post Graduate—Non-degree Status

Post Baccalaureate and Post Graduate admission are provided for those students who may not wish to pursue a graduate degree, including teachers whose main purpose is to obtain credits necessary for teacher certification and/or for students who may desire to enter a degree program but who have missing data. Requirements for Post Baccalaureate Admission include documentary evidence of a baccalaureate degree and submission of necessary application papers. The student must also have to meet specific prerequisites to enroll in courses in certain departments. Post Graduate admission requirements are the same except that a graduate degree is required.

No more than fifteen graduate hours earned while enrolled as a Post Graduate or Post Baccalaureate student may be applied toward a master's degree.

A student admitted on non-degree status who wishes to be advanced to a degree status category of admission bears the responsibility for:

1. Meeting all requirements for degree status which are in effect at the time the student submits the required data and documents for degree status.
2. Notifying the appropriate Dean in writing of the intent and desire to advance to degree status.

Action by the Dean to advance a non-degree student to a degree status category is contingent on the student meeting the above responsibilities, and the student is cautioned to maintain a careful check on his or her status.

Transient Students Entering Armstrong

Transient students must arrange to have written authorization sent to the appropriate Dean from their dean, department head, or registrar of the graduate school in which they are enrolled in order to be accepted as a transient student and to register in the Graduate Program. They must also submit the application for admission and the \$10 fee as described in the Admission Procedures. If they wish to become degree-seeking students, they must request appropriate admission in writing and must submit the necessary documents.

Readmission

Any student in the Graduate Program who did not matriculate (i.e., register) during the quarter immediately preceding the quarter in which he next intends to matriculate must process a readmission form with the Registrar's Office. The only students exempted from this requirement are those students who are initially admitted for graduate study in the quarter immediately preceding the quarter of their first matriculation. For further information, inquire at the Office of the Registrar.

Procedures

All admission documents should be sent to the Graduate Admissions Office. These include the application and the ten dollar fee. Transcripts should reach the Graduate Admissions Office twenty days prior to registration.

The following materials and procedures are part of the requirements for admission to the Graduate Program.

1. The application-for-admission form, available in the offices of the Deans, must be completed and submitted. Required of all applicants twenty days prior to registration.
2. Two official transcripts showing all college credits earned for the undergraduate degree should be sent directly from the college which awarded the degree to the appropriate Dean's office. Required of all applicants except transient students who may submit letter of authorization from their graduate school twenty days prior to registration.
3. Test scores, as appropriate and as required for the major, must be submitted. Required of degree-seeking students only.
4. Completed recommendation forms must be submitted, these forms are available in the appropriate Dean's office. For applicants entering teacher certification programs, at least one recommendation must be from supervisory personnel who observed the student in a teaching internship or as an employed teacher. These recommendations are required of degree-seeking students only.
5. A ten dollar application fee is required. Graduates of Armstrong State College are exempt from the application fee.
6. A letter of confirmation will be sent upon receipt of a completed graduate applica-

tion. This letter of confirmation, which lists academic program and advisor, will be necessary for advisement purposes.

Admission to graduate study does not imply automatic acceptance of the student as a candidate for any Master's degree. See section on candidacy for degree.

Requirements for Admission to Specific Programs

Criminal Justice (M.S.)

While an undergraduate degree in criminal justice is not a prerequisite to admission, it is essential that each student pursuing the M.S. in Criminal Justice have adequate preparation. Therefore, students who lack the necessary background may be required to complete additional undergraduate coursework.

Students entering the M.S. in Criminal Justice Program must meet the general requirements of the College and the following:

For Regular Admission —Students must have earned a minimum of 2.5 undergraduate grade point average on all work attempted during the last 90 quarter hours (or 60 semester hours), and must present a minimum score of either

- (a) 900 on the General Test of the Graduate Record Examination (GRE), or
- (b) 51 on the Miller Analogies Test (MAT).

For Provisional Admission —If students fail to meet either the minimum undergraduate grade point average or entrance test requirements for Regular admission they may be considered for Provisional admission if either

- (a) the undergraduate grade point average (last 90/60 hours) multiplied by 100 and added to the score on the General Test of the GRE equals 1050, or
- (b) the undergraduate grade point average (last 90/60 hours) multiplied by 100 and added to the Miller Analogies Test (MAT) score multiplied by 10 equals 650.

In no event may the undergraduate grade point average (last 90/60 hours) be less than 2.2, the score on the General Test of the GRE be less than 750, or the score on the Miller Analogies Test be less than 37.

Education (MEd)

Students entering the early elementary, middle school, secondary and the special education programs must satisfy all general admission requirements of the Graduate Program. Students in MEd certification programs in early elementary, middle school, secondary education and speech and language pathology must also be eligible for fourth level (NT4) certification in the intended master's level teaching field.

Business Education (MEd)

Students entering the MEd program in Business Education must meet the general admission requirements of the Graduate Program and must take and make a minimum score of 560 on the Business Education Specialty Area Test of the National Teacher Examinations (NTE). Students may be provisionally admitted to the program if their Business Education Specialty Area Test of the NTE is not less than 540.

Science Education (MEd)

Students entering the MEd program in Science Education must meet the general admission requirements of the Graduate Program and must take the Science Education Specialty Area Test of the National Teacher Examinations (NTE) in order to qualify for degree-seeking status.

Health Science (MHS)

Students entering the MHS program must meet the general admission requirements of the Graduate Program and must score 800 on the Graduate Record Exam General Test or 450 on the Graduate Management Admission Test or 40 on the Miller Analogies Test. Students who fail to meet the criteria for regular admission may be admitted on a provisional basis if their GPA and test scores conform to established formulas.

History (M.A.)

Students entering the M.A. program in History must satisfy all general admission requirements of the Graduate Program and the following:

For Regular Admission:

- (a) 35 hours of undergraduate history
- (b) GPA of 3.0 (both overall and in history)
- (c) GRE General Test score of 1000

- (d) GRE History Subject Test score of 500
- (e) Prerequisite courses

For Provisional Admission:

- (a) 25 hours of undergraduate history
- (b) GPA of 2.5 overall (2.75 in history)
- (c) GRE General Test score of 800
- (d) GRE History Subject Test score of 450

For specific prerequisite courses in history or storic preservation see the department description of the program.

Mathematics (MEd)

All students entering the MEd program in mathematics must satisfy all general admission requirements of the Graduate Program, must take the NTE Specialty Area Test in Mathematics, the GRE Subject Test in Mathematics, and must satisfy a prerequisite of 25 quarter hours of college mathematics at or beyond the level of calculus, in order to obtain degree-seeking status.

To gain Regular Admission, a student must obtain a minimum score of 580 on the NTE Specialty Area Test or 520 on the GRE Subject Test. A minimum is required for Provisional Admission. Students whose scores on the NTE Specialty Area Test or the GRE Subject Test are too low for Regular Admission can also gain Regular Admission by passing a department entrance examination.

In order for a Provisionally Admitted student to gain Regular Status without passing the departmental entrance examination, the student must satisfy the general requirements of the Graduate School; including the stipulation that the first 25 graduate hours must be completed with at least a "B" average, and that at least 15 of these hours must be in approved mathematics courses.

Nursing (MSN)

Students entering the M.S.N. program must satisfy all general admission requirements of the graduate program and the following:

For regular admission: GPA of 2.5 and GRE General Test Score of 850.

For Provisional Admission: $\text{GPA} \times 100 + \text{GRE General Test Score} = 1050$ or more with minimum GPA of 2.0 and minimum GRE General Test Score of 800.

ACADEMIC REGULATIONS

Graduate Student Responsibility

The student is charged with the responsibility for taking the initiative in meeting all academic requirements and in maintaining a careful check on progress toward earning a degree. The student is responsible for discharging obligations to the business office and the library and for adhering to the rules and regulations appertaining to graduate students in particular and to all students enrolled in a unit of the University System of Georgia. It is the student's responsibility to abide by catalog requirements. A student's claim that he or she has been granted an exception to these requirements must be documented before the merits of the claim can be evaluated.

Academic Advisement

Upon admission to graduate study, each student will be referred to a departmental office for advisor assignment. Consultation with the assigned advisor is required prior to registration. Each student must process appropriate advisement papers which are available from his or her assigned advisor and which provide the advisor clearance required for registration.

Transient student report to the Office of the appropriate dean for advisement and advisor clearance.

Post Baccalaureate and Post Graduate students obtain advisor clearance by processing the non-degree advisement form with their assigned advisors. During the quarter in which a Post Baccalaureate student achieves degree-seeking status, he or she must process the Program of Study form.

Degree-seeking students, both Regular and Provisional Admission students, must process the Program of Study form with their assigned advisor no later than the end of their first quarter of enrollment. A temporary advisor clearance statement may be provided by the advisor which will be valid only for the student's initial registration. This temporary clearance should be processed on non-degree advisement form, with appropriate notations made to indicate that it is temporary.

The Program of Study shows the essential courses the student will take, transfer courses that might apply to the degree, and prerequisite courses or other prerequisites. The Program of Study must be followed by the student in fulfilling degree requirements. However, the student can take courses additional to those on his Program of Study and may enroll in the courses on the Program of Study during quarters other than those which might be shown on his Program of Study form. Moreover, the student may officially modify his Program of Study with the concurrence of his advisor and department head.

Students should note that any departure from the catalog requirements for a degree must be approved by the appropriate dean.

International Student Advisement

Specialized advisement is available for international students from the Graduate International Student Advisor, Dr. Steve Rhee, located in room 108-5, Solms Hall.

Registration

Before a student may register for graduate courses, the individual must be formally admitted as a graduate student (although some 500 and 600 level courses may be taken by qualified undergraduate seniors upon complying with requirements and procedures stipulated by and available in the Dean's Offices). If circumstances require it, the student must be readmitted (see section on Admissions, paragraph on Readmissions). In order to register, a student will be required to show at registration a permit to register card, which must be signed by the advisor.

Transfer of Credits

Credit may be transferred from another institution, provided:

1. that only up to 15 hours of graduate credit taken while in a non-degree status may be applied to a degree program.
2. that each course equates with a course in the curriculum of the Graduate Program or is an acceptable elective.
3. that the credit was earned in an accredited graduate program.
4. that a grade of B or better was earned in each course.

5. that the credit was earned no more than six years prior to completion of all degree requirements.
6. that no more than fifty percent of the required credits shall be transferred for use towards a master's degree (i.e., no more than 50% of either the required professional education credits or other credits in the master's programs). M.Ed. programs limit total transfer credits to 15 hours.

Information about the amount of credit transferable for a particular degree program, can be located in the appropriate departmental entry.

Procedures for Processing Transfer Credits

Requests by students to receive transfer graduate credit must be supported by two copies of the graduate transcript showing the credits requested. The formal request for receiving transfer credit is part of the Application for Candidacy which the student must process upon the completion of 25 hours of graduate work. This application is obtained in the Graduate Office. The two graduate transcripts should be sent to the office of the appropriate dean.

Advisement on transfer of credit is routinely provided on the Program of Study form which every degree-seeking student must complete with his advisor in the first quarter of enrollment. Formal approval of transfer credit is granted via the student's Application for Candidacy which requires approval by the student's advisor, Department Head, and appropriate dean.

Prospective students may write to the Department Coordinator in their area of study to obtain advisement on transfer of credit.

Reports and Grades

In the Graduate Program grades assigned are A, B, C, D, F, (failure), I (incomplete), W (withdraw with no penalty), and WF (withdraw failing). The grade of W does not enter into computing a student's grade point average.

Stipulations applicable to symbols used in the Graduate Program include:

I—incomplete. May be awarded (only in emergency cases) by an instructor, who will also stipulate the conditions for its removal. A grade of I must be removed by completing the course by the midterm of the following quarter or it becomes an automatic F.

W—withdrawal without penalty. May be awarded by an instructor up to the mid-quarter period in a course. Regents' policy stipulates that "Withdrawals without penalty will not be permitted after the mid-point of the total grading period (including final examinations) except in cases of hardship as determined by the appropriate official of the respective institutions." Withdrawals after midterm require approval of the Graduate Dean.

WF—withdrew failing. May be awarded by an instructor anytime that a student withdraws from a course after the drop/add period; mandatory after midquarter except for hardship cases as stipulated above for grades of W.

V—audit. Use of this symbol is subject to the discretion of the individual graduate departments, and the departments may require that a student receive the permission of the instructor to audit a course prior to registering for the course. Moreover, an auditing student must pay the usual fees, must register for the course, and may not transfer from audit to credit status (vice versa).

S and U—satisfactory and unsatisfactory; see above. Specific courses receiving these grades are identified in departmental course listings. Comprehensive examinations are given these grades also.

K—credit by examination. Use of this symbol is subject to the discretion of the individual graduate departments.

Students expecting to receive grades of V or U must insure that they are enrolled in an appropriate course or activity for which V or K grades are awarded by the appropriate department. If this catalog does not show in the departmental entries that the given departments have authorized the use of V or K, then a student expecting to receive a V in a course should obtain written verification from the appropriate instructor prior to registering for the course that V will be awarded.

Grade-point averages are calculated on all graduate work attempted, and no credits with a grade below C may apply toward a degree.

Course Eligibility

Courses numbered 500 through 699 are open to qualified Undergraduate seniors, with approval of their respective department heads, and to graduate students. In such courses, the quantity and quality of the work required of the graduate students will be on the same level as

that required in those courses offered exclusively for graduate students. Courses numbered 700 and above are open only to graduate students. Candidates for degrees must take at least fifty percent of their courses at the 700 level.

Academic Probation and Standing

Any student who falls below a 3.0 (b) average shall be on Academic Probation.

Any student in a degree program on Regular Admission status who does not achieve a 3.0 graduate cumulative GPA after completing 25 or more graduate hours shall be placed on Academic Probation and must achieve a 3.0 graduate GPA in order to return to Regular Admission status. Any student on Academic Probation who earns less than a B in any course or who accumulates 75 hours while on Academic Probation shall be dropped as a degree-seeking student and shall be placed on permanent non-degree status.

Any student on Provisional Admission status who does not achieve a 3.0 graduate cumulative GPA upon completing 25 graduate hours shall be dropped as a degree-seeking student and shall be placed on permanent non-degree status.

Any student on Post Baccalaureate status who does not achieve a 3.0 graduate cumulative GPA shall be placed on Academic Probation.

Any student whose graduate cumulative GPA falls below 2.5 after completing 25 or more hours shall be prohibited from taking further graduate work.

Course Load & Limitation

A full-time graduate student is defined as one who is registered for 10 or more graduate credit hours.

A graduate student may not carry more than 15 hours per quarter. Exceptions must be approved in writing by the advisor. Students on Academic Probation or on Provisional Admissions status should carefully plan their course loads in consultation with their advisors.

Withdrawing; Dropping, Adding Courses

Withdrawal is, in the technical sense, dropping all courses and processing a formal withdrawal from the College. A student may withdraw from school (or drop a single course) at any time during the quarter. Only by formally withdrawing, however, can a student become eligible for the refund of fees as explained in the section of fees. The student bears the responsibility of contacting the graduate office to effect a withdrawal and of contacting his professor(s) to determine what grade(s) will be assigned (W or WF).

Dropping a course should be formalized through the Office of the Registrar which will process a drop/add slip. If a student is taking only one course, the drop is, technically, a withdrawal and should be treated as such.

Adding a course may be accomplished through the Office of the Registrar which will process a drop/add slip. Courses may be added only during the late registration days at the beginning of the quarter and not at any other time during the quarter. The student must pay the appropriate fee for the additional course, unless a course equivalent in credit hours is being dropped simultaneously.

Administrative Withdrawals

The College reserves the right to effect the withdrawal of any student at any time during a course of studies if the student does not meet financial obligations or the required standards of scholarship, or if he fails in any way to meet the standards of the Graduate Program.

CATES Courses

Armstrong State College participates in the Coastal Area Teacher Education Service, a consortium of area public school systems and institutions of the University System of Georgia offering graduate and undergraduate courses in teacher education.

A student who wishes to apply CATES course credit to his degree program must obtain approval from his advisor to take a course for degree credit prior to taking the course. Without this prior approval, the course is subject to being treated as a transfer course, in which case, the Transfer of Graduate Credits policies and procedures described in the catalog will be followed.

Honor Code

The Honor Code, published in the undergraduate section of this catalog, applies to graduate students as well as undergraduate students. All students, graduate and undergraduate, must agree to abide by the rules of the code.

FINANCIAL INFORMATION

Application Fee

An application fee of \$10.00 is paid by each graduate student at the time of initial application for admission. This fee is not required of former students from either Armstrong State College or Savannah State College. The acceptance of the application fee does not constitute acceptance of the student into the graduate program. This fee, which is paid at Armstrong State College, is not refundable.

Fee Information

Fees for the graduate programs are the same as those for the undergraduate programs. Information on matriculation and other fees is contained in the "Financial Information" section of this catalog.

Veterans Benefits

Information of interest to veterans can be obtained by writing or calling the Office of Veterans Affairs at Armstrong State College.

Once accepted into the graduate program, a veteran should contact the Veterans' Office for processing instructions. Since processing time varies, a first quarter student should expect a four to six week delay in receiving the first benefit check. First quarter student veterans should consider this delay when making financial arrangements to attend school.

For purposes of G.I. Bill benefits, ten quarter hours are considered to be a full load. A load of five graduate quarter hours entitles the graduate student to half-time benefits.

DEGREE REQUIREMENTS

MASTERS LEVEL

Time Limitation

Students working toward a master's degree must complete all requirements for the degree within a period of not more than six years from the date of first enrollment. Extension of time may be granted upon recommendation of the student's major department, but only in cases of unusual circumstances.

Course and Residency Requirements

Satisfactory completion of at least sixty quarter hours of graduate credit, thirty of which must be earned in residence, is necessary for all masters degrees. Courses to be counted for a degree may be accumulated on a full-time or part-time basis. No credits with grades below "C" may count toward a degree. At least fifty percent of the courses for a degree must be at the 700 level or above.

Students should note that the sixty-hour requirement is a minimum requirement. Degree students with academic weaknesses should recognize that they may have to complete more than sixty hours to fulfill all curriculum requirements and comply with all academic regulations.

Degree Candidacy

Upon successful completion of twenty-five quarter hours of graduate work taken in residence and at least one quarter prior to making application for the degree, the student is required to file an application for admission to candidacy. The student will submit the completed application to his advisor. Application forms are available in the appropriate Dean's or departmental offices.

Approval of the application will be based upon verification that the student:

1. has been admitted to full graduate status (i.e., Regular Admission).

2. has maintained a minimum of a "B" average in all work attempted.
3. has met any other requirements stipulated for his degree program.

Application for the Degree

At the time specified on the academic calendar, the student must file an application for the master's degree with the appropriate major department. Note that the application for the degree must be preceded by the application for candidacy by at least one quarter. Application forms are available in the appropriate Dean's or department offices. Applications for the degree should be submitted two quarters prior to the expected date of graduation.

General Requirements for the Master's Degree

General requirements for obtaining a master's degree follows:

1. Admission to full graduate status, i.e., Regular Admission.
2. Admission to candidacy for the degree.
3. Satisfactory completion of at least sixty hours of approved graduate level work.
4. Maintenance of a 3.00 GPA.
5. Satisfactory completion of a comprehensive examination or thesis or both.
6. Completion of an application for the degree at the time specified.

For the MEd degree, the following requirement applies:

1. Satisfactory completion of certification requirements.

M.Ed. Certification Programs

These degrees are designed to comply with the requirements for teacher certification at the fifth year level in the various areas of specialization. The degree ordinarily is granted only to students who qualify for T-5 certification (or equivalent certification for other states), which in turn entails meeting T-4 certification requirements (Georgia). Students who use graduate credits to meet T-4 certification requirements may be required to take graduate courses beyond the 60 hours required for the M.Ed. degree in order to meet T-5 certification requirements. Since the M.Ed. program requires 60 hours, which is 15 more than the 45 minimum required for the T-5 by the State Education Department,

15 of the 60 graduate hours may be used to fulfill T-4 certification requirements. However, none of the 15 hours so used can then be applied toward meet the 45 hours specified for the T-5.

Detailed information concerning programs and procedures relating to graduate teacher certification may be obtained from Education Offices.

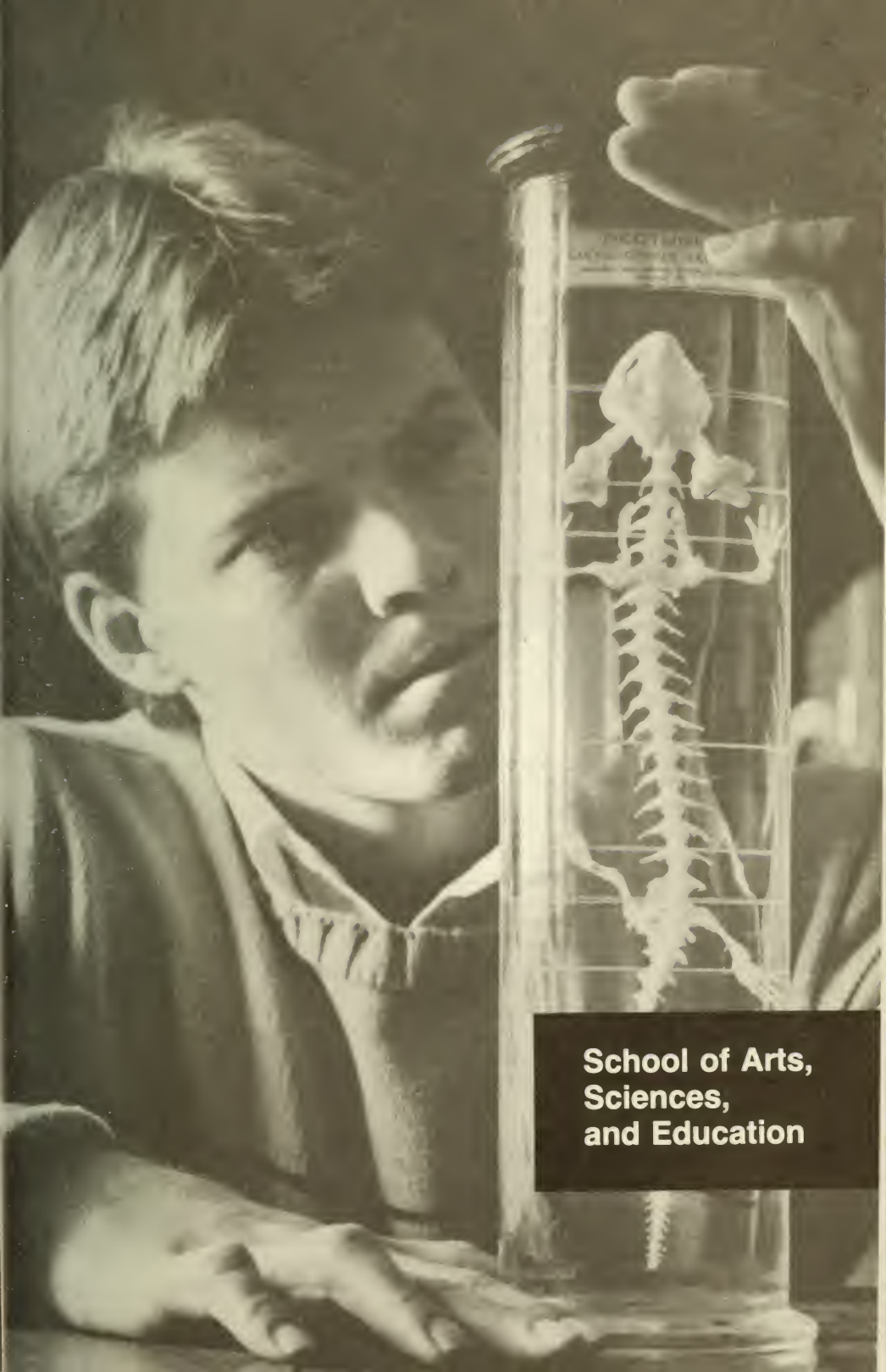
Thirty Hour Plan for a Second M.Ed. Degree

Students who have already earned a master's degree can, under certain circumstances, earn a second master's degree in the Graduate Program by completing as few as 30 quarter hours of graduate work in residence. Essential elements of the second master's degree plan are:

1. All general requirements (e.g., Regular Admission status, adherence to general academic regulations, "B" average, comprehensive examination, etc.) and all specific curricular requirements (i.e., departmental prerequisites for courses, specific courses, etc.) currently applicable to a master's degree will apply to the second degree sought, except as explicitly noted as follows:
2. For the Second master's degree:
 - A. The student must take at least 30 quarter hours in residence additional to course work that was used in fulfilling requirements for a previous

master's degree. Additional hours may be necessary in order to fulfill curricular requirements or for such purposes as teacher certification in a program designed as Approved Programs for Georgia State Certification.

- B. The 30 (or more) hours in residence must meet existing requirements of recency of credit. For the other hours (hours applied to both the first degree and to the second degree), fifteen hours will have no age limit, but the remaining hours must be no more than twelve years old when requirements for the second master's degree are completed.
- C. A curriculum plan for a second degree that is consistent with existing catalog plans must be prepared by a department head or by a graduate advisor with his or her department head's endorsement. A copy of this plan will be sent to the Office of the Dean of the School of Education and will be given to the student. For this purpose, current advisement forms with appropriate modifications may be used. The plan must show the 30 (or more) hours to be taken in residence and the previous graduate hours that are to apply to the second degree.



**School of Arts,
Sciences,
and Education**

SCHOOL OF ARTS, SCIENCES, AND EDUCATION

Adams, Joseph V., Dean

Goals and Objectives

Through its academic programs, professional staff, scholarly resources, and physical facilities, the School of Arts, Sciences, and Education provides opportunity for qualified students to obtain the best possible education attainable within the structure of its liberal arts and specialized degree programs.

By means of a core curriculum in the arts and sciences, students are: acquainted with the diversity of the intellectual and cultural achievements of mankind; assisted in developing the skills necessary to think and express themselves clearly and creatively; and taught to understand and accept the responsibilities of free men and women in a democratic society. The liberal arts programs also provide scholarly and sound instruction accompanied by a commitment to free inquiry.

The major function of the teacher education programs is the preparation of competent teachers who are committed to excellence in education. These programs are designed to meet the needs of present and future education professionals by providing them with specialized skills, knowledge of theory and methods of teaching, practical laboratory experiences, and the opportunity to create innovative ways of meeting the needs of every student.

The School of Arts, Sciences, and Education endeavors to maintain high standards of professional excellence among its faculty by encouraging and providing opportunities for enrichment such as participation in educational seminars, conferences, workshops, and postgraduate study.

Organization and Degrees

The School of Arts, Sciences, and Education includes the departments of biology; chemistry and physics; elementary education; fine arts; government; history; languages, literature, and dramatic arts; mathematics and computer science; psychology; and secondary and special education.

Undergraduate degree programs offered in arts and sciences are:

Associate in Arts

Associate of Applied Science in
Criminal Justice

Bachelor of Arts with majors in:

Drama/Speech

English

History

Music

Political Science

Psychology

Bachelor of General Studies

Bachelor of Science with majors in:

Biology

Chemistry

Computer Science

Criminal Justice

Mathematical Sciences (Mathematics)

Mathematical Sciences (Applied
Mathematics)

Mathematical Sciences (Computer
Science)

Mathematical Sciences (Mathematics Ed
ucation)

Physical Science

Further particulars on the undergraduate liberal arts programs are found in the arts and sciences departmental sections.

Undergraduate degree programs offered in teacher education are:

Associate of Applied Science with a major in
Early Childhood Education

Bachelor of Arts (with teacher certification
with majors in:

English

History

Political Science

Bachelor of Music Education

Bachelor of Science in Education with major
in:

Early Elementary Education

Middle School Education

Speech Correction

(Health, Physical Education and Recreation
is offered through the School of Health
Professions.)

Bachelor of Science in Education with major
in Secondary Education in the teaching field
of:

Art Education

Biology Education

Business Education

Chemistry Education
 English Education
 Health and Physical Education
 Industrial Arts Education
 Mathematics Education
 Music Education
 Physics Education
 Social Science Education (Broad Fields-History)
 Social Science Education (Broad Fields-Political Science)
 Social Science Education (History)
 Social Science Education (Political Science)
 Trade and Industrial Education
 Bachelor of Science (with teacher certification) with majors in:
 Biology
 Chemistry
 Mathematical Sciences

Program of Study (with MS-4 teacher certification) in:

Library Media

All teacher education programs are approved by the Georgia State Department of Education and are accredited by the National Council for accreditation of Teacher Education.

Further particulars on the undergraduate teacher education programs are found in the Department of Education section of this catalog.

Minor Concentrations of Study

The following minors are offered by departments within the School of Arts, Sciences, and Education. Students may include one or more of these in their programs of study as circumstances may permit.

American Civilization
 Anthropology
 Art
 Biology
 Botany
 Chemistry
 Communications
 Computer Science
 Criminal Justice
 Drama/Speech
 Economics
 Engineering Science
 English
 Film
 Foreign Language
 History

Human Biology
 International Studies
 Legal Studies
 Linguistics
 Mathematics
 Mental Health
 Museum/Preservation Studies
 Music
 Organizational Psychology
 Philosophy
 Physical Education
 Physical Sciences
 Physics
 Political Science
 Psychology
 Public Administration
 Russian Studies
 Sociology
 Teacher Education
 Zoology

General Studies

Director: Dr. Grace Martin

Department of Psychology

Associate and baccalaureate degree programs in General Studies, emphasizing a liberal arts education, are operated under the general supervision of the Dean of the School of Arts, Sciences and Education and under the immediate direction of the head of the department of psychology. Curriculum guidance for these programs is provided by the General Studies Degree Committee. Interested students should contact the psychology department head for assistance.

For the two-year degree of Associate in Arts, a student must complete at least 30 hours of the required course work and 45 quarter hours of all coursework in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper division specialization.

Certain courses may be exempted by examination.

PROGRAM FOR THE DEGREE OF
ASSOCIATE IN ARTS

	Hours
A. General Requirements.....	63
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II.....	20
1. Approved laboratory science sequence	10
2. MAT 101 and 103 or 195 or 220 or 290.....	10
Area III.....	20
1. HIS 114 or 191 or 115 or 192; HIS 251 or 252.....	10
2. POS 113 and one course selected from: ANT 201; ECO 201, 202; PSY 101; SOC 201	10
Area V	3
1. PE 103 or 108	1
2. Two activity courses.....	2
B. Courses in the Concentration and/or Electives	30
These courses may be specified by a department or may be electives. Students planning work toward a baccalaureate degree should select courses that meet listed requirements of that degree program.	
C. Regents' and Exit Examinations	0
TOTAL	93

PROGRAM FOR THE DEGREE OF
BACHELOR OF GENERAL STUDIES

At least four quarters prior to anticipated graduation, students must submit a degree proposal to the Program Director for approval.

	Hours
A. General Requirements.....	96
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5

Area II.....	20
1. MAT 101 and 103 or 195 or 220 or 290	10
2. Approved laboratory science sequence	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201; ECO 201, 202; PSY 101; SOC 201.....	5
Area IV	30
1. HIS 251 or 252.....	5
2. Two courses selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201; two courses in any foreign language through the 200 level.....	10
3. One or two courses selected from: ANT 201; CS 115, 120, 142; ECO 201, 202; PSY 101; SOC 201.....	5-10
4. One or two courses selected from: BIO 101, 102; BIO 111, 112; BOT 203; CHE 121, 122; CHE 128, 129; CHE 201, 202; CHE 211; PHY 211, 212, 213; PHY 217, 218, 219; PHS 121, 122; ZOO 204, 208, 209.....	5-10
Area V	6
1. PE 103 or 108 and 117 or 166	3
2. Three activity courses.....	3

NOTE: Certain preceding courses may be exempted by examination with credit awarded. Also, if a physical science sequence is used to satisfy Area II, then a biological science must be chosen in Area IV. The converse is also true.

Other Requirements.....	95
1. A minimum of 35 hours at the 300 level.	
2. A maximum of 40 hours in any one discipline excluding courses taken under section A.	
General Studies.....	30
Courses at the 200 or above level	
1. Humanities	5-10
American civilization, art, comparative literature, English or American literature, history, music, philosophy.	

2.	Social Sciences.....	5-10
	Anthropology, criminal justice, economics, geography, museum and preservation studies, political science, psychology, sociology.	
3.	Mathematics and Natural Sciences.....	5-10
	Astronomy, biology, botany, chemistry, entomology, geology, mathematics, meteorology, oceanography, physics, zoology.	
4.	Communication Arts.....	5-10
	Computer science, drama/speech, film, foreign languages, journalism, linguistics.	
	Area of Concentration (Any University System approved minor).....	20-29
	Electives	36-45
	*Credit for special experience may be granted, at the discretion of the appropriate department; such credit, however, shall not exceed one-fourth of the total hours for the degree, and credit for courses not specifically listed in the College catalog under "Advanced Placement and Credit by Examination" shall not exceed ten hours.	
5.	Regents' and Exit Examinations	0
	TOTAL	191

Biology

Faculty

/acant, Department Head
 Beumer, Ronald
 Brower, Moonyean
 Guillou, Laurent
 Pingel, Allen
 Thorne, Francis
 Graduate Faculty

The major in biology consists of BIO 101 or 111, BIO 102 or 112, BOT 203 and ZOO 204, and at least 40 quarter hours credit in biology courses (Botany, Zoology, etc.) numbered 300 or above. The majority of the courses in the major numbered 300 or above must be taken in the

Biology Department at Armstrong State College.

Each student acquiring a major in biology must include in his program the following courses: BIO 370; BIO 480; BOT 410 or ZOO 410; one course in botany numbered 300 or above, other than BOT 410; and one course in zoology numbered 300 or above, other than ZOO 410. If credit for any of the first three required units is transferred to Armstrong from another college, the department may require that it be validated by examination.

In addition, biology majors must complete elementary statistics and the course sequence in organic chemistry (15 quarter hours). The course in general college physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

To be eligible for a B.S. degree in biology the student must have a grade of at least "C" for all biology courses.

Beginning students who have successfully completed strong courses in biology in high school may take examinations for advanced placement or for credit for BIO 101 and/or 102. Arrangements to take these examinations may be made with the head of the department.

In order to receive Core Curriculum credits for the biology laboratory science sequence by taking biology in the Savannah State-Armstrong exchange program, a student must take the ENTIRE sequence of ten quarter hours either at Armstrong State College or at Savannah State College.

By careful use of electives a student majoring in biology may concurrently acquire a second major in chemistry (i.e., he may take a "double major"). This program is recommended for pre-professional students. It does require 10 to 20 quarter hours credit above the minimum required for graduation. Ask the department head for additional information.

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGY

	Hours
A. General Requirements.....	96
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15

2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
1. BIO 101 or 111; 102 or 112.....	10
2. MAT 101 (or 103 or 206 if examination allows) and MAT 220.....	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201; ECO 201, 202; PSY 101, SOC 201.....	5
Area IV	30
1. CHE 128, 129; BOT 203 and ZOO 204	20
2. Two courses from: natural sciences, Mathematics, foreign language	10
Area V	6
1. PE 103 or 108 and 117 or 166	3
2. Three activity courses.....	3
State Requirement: HIS 251 or 252	5
B. Courses in the Major Field	40
1. BIO 370, 480; BOT 410 or ZOO 410.....	15
2. Electives at the 300-400 level selected from biology, botany, entomology, and zoology. Electives must include one BOT course other than BOT 410 and one ZOO course other than ZOO 410	25
C. Courses in Related Fields	15
CHE 341, 342, 343, 344, 345, 346.....	15
D. Electives	35
E. Regents' and Exit Examinations	0
TOTAL	191

SPECIAL NOTES:

- (1) Biology majors should take BIO 101 or 111, and BIO 102 or 112 during the freshman year, and BOT 203 and ZOO 204 during the sophomore year. CHE 128 and 129 should be completed by the end of spring quarter of the sophomore year.
- (2) The biology major should complete organic chemistry (CHE 341, 342, 343) no later than the end of the junior year as it is prerequisite or corequisite to all physiology courses.

- (3) Students who may wish to enter graduate school are advised that PHY 211, 212, 213 and foreign language to third quarter proficiency should be considered essential.

PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE WITH A MAJOR
IN BIOLOGY (with teacher certification)

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
1. MAT 101, 220.....	10
2. BIO 101 or 111; 102 or 112.....	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. PSY 101.....	5
Area IV	30
1. CHE 128, 129; ZOO 204; MAT 103.....	20
2. One course from: ANT 201; ECO 200, 201; SOC 201	5
3. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	5
Area V	6
1. PE 103 or 108 and 117 or 166	3
2. Three activity courses.....	3
State Requirement: HIS 251 or 252	5
B. Courses in the Major Field	40
1. BIO 370, 480; BOT 203	15
2. BOT 410 or ZOO 410	15
3. Electives at the 300-400 level selected from botany and zoology.....	20
C. Courses in Related Fields	30
1. CHE 341, 342, 343, 344, 345, 346.....	15
2. Three of AST 301, MET 301, GEO 301, OCE 301, or PHY 211, 212, 213	15
D. Professional Sequence	40
1. EDN 200; EXC 310, EDN 335, 447, 481, 482, 483.....	35
2. PSY 301 or EDN 302	5
E. Regents' and Exit Examinations	0
TOTAL	210

MINOR CONCENTRATIONS

The following minor concentrations are available from the Department of Biology. For minors, the student must earn a grade of "C" or better in each course offered for the minor.

The minors and their requirements are:

	Hours
Biology.....	25
1. BIO 101 or 111, 102 or 112.....	10
2. BIO electives of which at least 10 hours must be at 300-400 level.....	15
Botany.....	25
1. BIO 101 or 111, 102 or 112; BOT 203.....	15
2. Two courses from: BOT 305, 323, 410, 425.....	10
Zoology.....	25
1. BIO 101 or 111, 102 or 112; ZOO 204.....	15
2. Two courses selected from: ENT 301; ZOO 325, 355, 356, 372, 410, 429, 435.....	10
Human Biology.....	25
1. ZOO 208 and 209.....	10
2. BIO/ZOO electives of which at least 10 hours must be at or above the 300-level. Choose from: BIO 210 or 351, BIO 310, 353, 380, ZOO 215, or 330.....	15

Pre-Professional Programs

Students majoring in biology may concurrently complete all pre-medical, pre-dental, and/or pre-veterinary requirements and all requirements for secondary teaching certification in science (biology).

Other pre-professional programs include:

Internships. The Department offers a number of internship options in the areas of research, applied biology, and environmental education. It also offers programs in which students can work with physicians, veterinarians, and dentists.

Pre-forestry program with the University of Georgia. A student may complete two years of a pre-forestry curriculum at Armstrong, then transfer to the University of Georgia. After two additional years of coursework, the student may receive a B.S. in Forest Resources.

Pre-forestry/Environmental Management Affiliation with Duke University.

In this program, a student may complete three years of study at Armstrong and then may apply for admission to the Duke program. If accepted, the student may complete two additional years at Duke. Upon successfully completing the first year at Duke, the student will receive a B.S. in Biology from Armstrong; after successful completion of the second year, the student will receive a Master of Science degree in either forestry or environmental management from Duke University.

Scholarships in Biology

The department offers a limited number of scholarships to Biology majors. Interested students are invited to inquire in the department office for details.

Biology Honors

Students who perform independent biological research and submit acceptable oral and written reports to a departmental committee may be eligible to have "graduated with departmental honors" noted on their official academic records.

To qualify for this honor, students must have at the time of application: 120-150 quarter hours of course work; a minimum college GPA of 3.3; a minimum biology GPA of 3.5 with no grade lower than "C"; and three or more 300-400 level course completed.

The committee will consist of three biology faculty, adding where applicable a biologist from outside the college. The committee will examine students' proposals before projects are undertaken and evaluate the projects at their completion.

Offerings

Biology Offerings

BIO 101—Principles of Biology I (4-3-5)

Offered each quarter. Prerequisite: none.

Structure and function of cells, biological chemistry; structure, function, and development of flowering plants.

BIO 102—Principles of Biology II (4-3-5)

Offered each quarter. Prerequisite: Biology 101.

Structure, function, and development of vertebrate animals; genetics; ecology; evolution.

BIO 111—Advanced Introductory Biology I (4-3-5)

Fall. Prerequisites: Eligibility for ENG 101 and MAT 101.

Structure, function and development of plants, cells, tissues, organs, reproduction, genetics, phylogeny and ecology. This course, while similar in format to Biology 101, is presented at a level involving greater topical detail and more student interaction than in the traditional course. Some field work is required.

BIO 112—Advanced Introductory Biology II (4-3-5)

Winter. Prerequisites: BIO 101 or 111.

Structure, function and development of animals: cells, tissues, organs, reproduction, genetics, ecological systems and organic evolution. This course is a continuation of BIO 101 or BIO 111 and will involve independent student activities in the lab. Some field work is required.

BIO/PHY 205—Radiation Biology (4-3-5)

Prerequisite: PHY 213 or 218 or 202, and a two-quarter sequence in anatomy and physiology or general biology.

Sources, propagation, and interactions of ionizing radiation and its biological effect. (Credit may not be applied toward a major in biology or in chemistry).

BIO 210—Microorganisms and Disease (4-3-5)

Fall and Winter. Prerequisites: CHE 201 or 122 and ZOO 209.

An introduction to the study of microorganisms with primary emphasis on bacteria. The morphology, life history, and importance to public health of representative bacteria, fungi, viruses, and protozoa are considered. Credit for this course may not be applied toward a major in biology.

BIO 310—Man and the Environment (5-0-5)

Spring. Prerequisite: Completion of 75 quarter hours credit in college courses.

Consideration of the interactions between humans and the support systems of the earth which are essential to their existence. Credit for

this course may not be applied toward a major in biology.

BIO 351—Bacteriology (3-4-5)

Fall. Prerequisites: 10 hours of biological science, CHE 128-129.

A study of the morphology, ecology, classification, and genetics of the bacteria and related micro-organisms, including the viruses.

BIO 352—Medical Microbiology (3-6-6)

Winter. Prerequisite: BIO 351 and permission of the instructor.

A comprehensive study of the disease-causing microbes in terms of their diagnosis, pathology, and epidemiology.

BIO 353—Immunology and Serology (3-4-5)

Spring. Prerequisites: CHE 128 and 129 or permission of instructor and department head.

A fundamental study of humoral and cellular immunity, the structure and biosynthesis of antibodies, and the interactions between antigens and antibodies. Consideration will be given to allergic states and other immunological diseases.

BIO 358—Histological Technique (0-10-5)

Winter. Prerequisites: BIO 101 or 111, and BIO 102 or 112.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

BIO 360—Cell Structure and Function (5-0-5)

Winter. Prerequisites: BIO 102 or 112, CHE 128, 129

An introduction to cell biology including the study of cell ultrastructure, the major physiological processes, cell reproduction and cell differentiation.

BIO 370—Genetics (3-4-5)

Winter. Prerequisites: BIO 101 or 111, BIO 102 or 112, CHE 128, 129; BIO 351 and junior status recommended.

An introduction to the principles of biological inheritance.

BIO 380—Human Genetics (5-0-5)

Prerequisites: BIO 101-102 or ZOO 208-209 and CHE 128-129 or CHE 201-202, or CHE 121-122.

An introduction to human inheritance including gene transmission, gene effects upon metabolism, population and quantitative genetics

genetics of sex-determination, pedigree analysis, eugenics, and genetic screening and counseling.

BIO 410—Cellular Physiology (3-4-5)

Offered on demand. Prerequisites: At least third quarter junior status; two courses in biology numbered 300 or above; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

BIO 440—Cytology (2-6-5)

Winter. Prerequisite: Two courses in biology numbered 300 or above.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

BIO 450—Evolution (5-0-5)

Winter. Prerequisite: Major in biology (at least 5 qtr. hrs. credit in biology courses numbered 300 or above).

Modern concepts in organic evolution.

BIO 470-471-472—Seminar (1-0-1)

Prerequisite: Open to junior and senior Biology majors.

Library research, class presentations, and discussions in selected areas of Biology.

BIO 480—General Ecology (3-4-5)

Spring. Prerequisites: Three courses in biology numbered 300 or above.

A survey of the principles of ecology and their application to the welfare of humans, coordinated with a study of populations and communities in the field.

BIO 490—Research (V-V-(1-5))

Offered on demand. Prerequisites: At least 20 hours credit in biology courses numbered 300 or above; a B average in biology courses and in overall work; consent of department head; agreement of a staff member to supervise work.

Problems to be assigned and work directed by a member of the department. Supervised research including literature search, field and/or laboratory investigation and presentation of an acceptable written report of results. Credit will depend upon the work to be done. Both credit and proposed work must be approved in advance, in writing, by the faculty member to supervise the work and by the department head.

BIO 495, 496—Internship (V-V-(1-5))

Offered each quarter. Prerequisites: Junior standing and permission of the Department Head.

The student will be engaged in a biological project sponsored by an outside agency. The project will be selected, supervised, evaluated, and credit hours determined by the student's faculty advisor in consultation with the outside agency. The student must make application during the quarter preceding the internship. No more than 5 (five) hours may be counted toward the major.

Botany Offerings

BOT 201—Principles of Horticulture (4-2-5)

Prerequisites: None.

Introduction to basic gardening principles with emphasis on plant growth and development as responses to varying environmental conditions. Topics to be covered include plant classification, growth and development, environment, propagation, disease and pest control. This course may be applied as elective credit towards the B.S. degree in biology.

BOT 203—Survey of the Plant Kingdom (3-4-5)

Spring. Prerequisites: BIO 101 or 111 and 102 or 112.

Morphology and phylogeny of the divisions of the plant kingdom, with emphasis upon the evolution of the land flora.

BOT 305—Identification of Flowering Plants (0-10-5)

Spring. Prerequisite: 15 quarter hours of biology.

Studies in the identification of plants with emphasis on local flora.

BOT 323—Plant Anatomy (3-4-5)

Fall. Prerequisite: 15 quarter hours of biology.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers, and fruits.

BOT 410—Plant Physiology (3-4-5)

Spring. Prerequisites: 15 quarter hours of biology.

A survey of physiologic processes occurring in plants and the conditions which affect these processes.

BOT 425—Plant Morphology (3-4-5)

Offered on demand. Prerequisite: BOT 323.

Comparative studies of vascular plants with

emphasis on form, structure, reproduction, and evolutionary relationships.

Entomology Offerings

ENT 301—Introductory Entomology

(3-4-5)

Spring. Prerequisite: BIO 101 or 111 and 102 or 112.

An introduction to the study of insects—their structure, identification, and biology.

Zoology Offerings

ZOO 204—Survey of the Animal Kingdom

(3-4-5)

Winter. Prerequisites: BIO 101, 102.

An evolutionary survey of the major animal phyla.

ZOO 208—Human Anatomy and Physiology

I (4-2-5)

Offered each quarter.

A basic course considering the gross anatomy, histology, and physiology of the human organ systems. Intended primarily for majors in health sciences, credit for this course may not be applied toward a major in biology.

ZOO 209—Human Anatomy and Physiology

II (4-2-5)

Offered each quarter. Prerequisites: ZOO 208 and CHE 201 or 122.

A continuation of the basic course considering the anatomy and physiology of the human. Credit may not be applied toward a major in biology.

ZOO 211—Cardiopulmonary Anatomy and Physiology

(2-2-3)

Spring. Prerequisite: ZOO 209.

The cardiopulmonary system is studied with special emphasis on functional anatomy. The physiology of the heart, the control of circulation, respiration, and blood pressure, and particle movement across membranes are also studied. Intended primarily for majors in health sciences; credit for this course may not be applied toward a major in biology.

ZOO 215—Human Physiology and Disease

(4-2-5)

Spring. Prerequisites: ZOO 208 and 209 or other acceptable courses in human, general, or vertebrate physiology.

An introductory consideration of disease as disruption of physiological homeostasis. Initial

emphasis is placed on normal function, control and environment of cells as a basis for understanding cellular and systemic responses to agents of injury and organismic effects of those responses. Intended primarily for majors in health sciences.

ZOO 325—Invertebrate Zoology

(3-4-5)

Spring. Prerequisite: ZOO 204.

A study of the structure, body functions, interrelations, and natural history of the major invertebrate groups.

ZOO 330—Fundamentals of Nutrition

(5-0-5)

Winter, alternate years. Prerequisites: BIO 101/111-102/112 or ZOO 208-209, and CHE 121-122 or CHE 201.

Biological bases of animal, including human, nutrition; sources and biological utilization and functions of nutrients.

ZOO 355—Embryology

(4-3-5)

Fall. Prerequisites: BIO 101 or 111, 102 or 112 and ZOO 204.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

ZOO 356—Comparative Anatomy of the

Vertebrates (3-6-6)

Winter. Prerequisite: BIO 101 or 111, 102 or 112, and ZOO 204.

A study of the anatomy and evolution of the organ systems of the vertebrates.

ZOO 357—Animal Histology

(3-4-5)

Winter. Prerequisite: BIO 101 or 111, 102 or 112, and ZOO 204.

A study of the tissues and their organization into organs and organ systems in animals.

ZOO 372—Parasitology

(3-4-5)

Fall. Prerequisite: ZOO 204.

A comparative study of the internal and external parasites of man and other animals.

ZOO 410—General Vertebrate Physiology

(3-4-5)

Fall. Prerequisites: Junior status, including 15 hours of biology; Organic Chemistry (may be taken concurrently).

An introduction to the general physiological processes of the vertebrates.

ZOO 425—Marine Invertebrate Zoology

(2-6-5)

Spring. Even numbered years. Prerequisites: ZOO 325 or ZOO 204 with a grade of A or B.

Studies in the identification and ecologic distribution of marine invertebrates as exemplified by collection from the southeastern coastal region.

ZOO 429—Endocrinology (3-4-5)

Offered on demand. Prerequisites: ZOO 410 or other acceptable physiology course.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

ZOO 435—Comparative Physiology (3-4-5)

Winter, alternate years. Prerequisites: Junior status, including 15 hours of biology; Organic Chemistry (may be taken concurrently).

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

Marine Science Center Offerings

The following courses, offered at the Skidaway Island Marine Science Center, are cooperatively sponsored by ASC, GIT, GSC, GSU, and UGA. Five quarter hours of credit from these courses may be applied within the major in biology or as electives toward the B.S. in Biology degree.

BIO 430—Estuarine Ecology (6-6-5)

Summer (five weeks). Prerequisites: CHE 128, 129; ZOO 204; two courses in biology numbered 300 or above; or permission of instructor. MAT 206 recommended.

The evolution and development of estuaries, substrates, physical processes, communities, ecosystem functions, ecosystem dynamics and analysis. The study area will include the estuarine complex of the Carolinian province as exemplified along the coast of Georgia.

ZOO 405—Ichthyology (6-6-5)

Summer (five weeks). Prerequisites: ZOO 204 and one course in zoology numbered 300 or above, or permission of instructor.

The taxonomy, distribution, ecology, and evolution of fishes with special reference to the fishes of eastern North America.

Graduate Courses

The biology MEd program has been deactivated, but the department offers a limited number of graduate courses. Students should check with the biology department for complete information on the course offerings.

Biology Offerings

BIO 610—Cellular Physiology (3-4-5)

Prerequisite: Complete sequence in Organic Chemistry and five hours of physiology. (See BIO 410 for course description.)

BIO 640—Cytology (2-6-5)

Prerequisite: Two senior division courses in biology.

(See BIO 420 for course description.)

BIO 650—Evolution (5-0-5)

Prerequisite: At least 15 quarter hours credit in upper division biology (botany or zoology) courses.

(See BIO 450 for course description.)

BIO 680—General Ecology (3-4-5)

Prerequisites: Three upper division courses in biology (botany or zoology).

(See BIO 480 for course description.)

Botany Offerings

BOT 610—Plant Physiology (3-4-5)

Prerequisites: BOT 203 and Organic Chemistry.

(See BOT 410 for course description.)

BOT 625—Plant Morphology (3-4-5)

Prerequisite: BOT 203.

(See BOT 425 for course description.)

BOT 701—Plant Diversity I: Non-Vascular Plants (3-4-5)

Prerequisites: at least 15 quarter hours credit in botany.

Morphology, taxonomy, and ecology of the algae, fungi, mosses, and liverworts, including identification of common species, field and laboratory methods, local habitats and sources.

BOT 702—Plant Diversity II: Vascular Plants (3-4-5)

Prerequisites: at least 15 quarter hours credit in botany.

Morphology, taxonomy, and ecology of the primitive vascular plants, ferns, gymnosperms, and angiosperms, including field and laboratory methods, local habitats and sources.

BOT/EDN 793—Botany for Elementary Teachers (5-0-5)

This course is not suitable for the general science major.

Lecture-laboratory course dealing with principles involved in classifying and identifying plant life.

Zoology Offerings

ZOO 525—Invertebrate Zoology (3-4-5)

Prerequisite: ZOO 204.

(See ZOO 325 for course description.)

ZOO 556—Comparative Anatomy of the Vertebrates (3-6-6)

Prerequisite: ZOO 204.

(See ZOO 356 for course description.)

ZOO 610—General Vertebrate Physiology (3-4-5)

Prerequisites: ZOO 204 and Organic Chemistry.

(See ZOO 410 for course description.)

ZOO 625—Marine Invertebrate Zoology (2-6-5)

Prerequisite: ZOO 325 or permission of instructor and department head.

(See ZOO 425 for course description.)

ZOO 629—Endocrinology (3-4-5)

Prerequisites: ZOO 410 and one other senior division course in biology.

(See ZOO 429 for course description.)

ZOO 635—Comparative Physiology (3-4-5)

Prerequisites: ZOO 204 and Organic Chemistry.

(See ZOO 435 for course description.)

ZOO 710—Applied Human Physiology (3-4-5)

Prerequisites: graduate standing plus a course in human, general, or vertebrate physiology, and organic or biological chemistry.

A consideration of human physiological responses to normal and abnormal stressors of the external and internal environment, including local and systemic adaptations to stressors. Specific malfunctions and adjustments will be treated where feasible and appropriate.

Laboratory sessions will feature the empirical demonstration of physiologic concepts and their applications to human function, largely through controlled experimentation.

ZOO 715—Pathophysiology (4-2-5)

Prerequisites: At least one course in human or vertebrate physiology and at least one course in organic or biological chemistry.

A conceptual, integrative consideration of disease processes. Emphasis is placed on disease as a maladaptive response or failure of adaptation to physiological stressors. Laboratory experiences will illustrate both adaptive and maladaptive responses to homeostatic disruption.

ZOO 721—Animal Diversity I: Invertebrates (3-4-5)

Prerequisites: at least 15 quarter hours credit in zoology.

Structure, function, and ecologic relationships of the major invertebrate phyla. (Not open to students with credits in invertebrate zoology.)

ZOO 722—Animal Diversity II: Vertebrates (3-4-5)

Prerequisites: at least 15 quarter hours credit in zoology.

Structure, function, and ecologic relationships of the vertebrates, with emphasis on amphibious and terrestrial forms.

ZOO 731—Ecological Associations (3-4-5)

Prerequisites: at least 25 quarter hours credit in junior-senior level courses in biology.

Environmental relationships among and between groups of organisms and their environments.

ZOO/EDN 792—Zoology for Elementary Teachers (5-0-5)

This course is not suitable for general science majors.

Modern approaches to teaching the biological sciences. Emphasis on understanding of life processes in the animal kingdom.

Courses at Marine Science Center

The following courses are offered at the Marine Science Center on Skidaway Island and are open to both graduate and undergraduate students. These courses are cooperatively sponsored by Armstrong State College, Georgia Institute of Technology, Georgia State University, Georgia Southern College, and the University of Georgia.

IO 630—Estuarine Ecology (6-6-5)

Summer (five weeks). Prerequisites: CHE 128, 29; ZOO 204; two courses in biology numbered 30 or above; or permission of instructor. MAT 36 recommended.

(See BIO 430 for course description.)

IO 605—Ichthyology (6-6-5)

Summer (five weeks). Prerequisites: ZOO 204 and one course in zoology numbered 300 or above; or permission of instructor.

(See ZOO 405 for course description.)

Chemistry and Physics**Faculty**

Arris, Henry, Department Head

Aker, Julia

Brewer, John

Butler, Frank

Carpenner, Suzanne

Caynes, Leon

Johnson, Robert

Jones, Gerald

Kratton, Cedric

Whiten, Morris

Graduate Faculty

The department offers the Bachelor of Science with a major in chemistry, designed to give depth in the fields of chemistry, yet flexible enough to accommodate a range of career goals. Students majoring in chemistry may concurrently complete all pre-medical, pre-dental, or pre-veterinary requirements and all requirements for secondary teaching certification in science (chemistry).

By careful use of electives a student majoring in chemistry may concurrently acquire a second major in biology (i.e. the student may take a double major¹). This program is recommended for pre-professional students. It does require 10 to 20 quarter hours credit above the minimum required for graduation.

The department participates in the Dual Degree Programs of Armstrong State College under which students may earn simultaneously the B.S. degree with a major in chemistry or physical sciences from Armstrong and the Bachelor's degree from the Georgia Institute of Technology or one of several other engineering schools in a related field, such as chemical engineering. Students interested in learning more about the degree programs or any course offered by the department should contact the department head.

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE WITH A MAJOR
IN CHEMISTRY**

	Hours
A. General Requirements	101
Area I	20
ENG 101, 102 or 192, 201 or 292	15
One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
MAT 101, 103	10
PHY 211, 212 or 217*, 218*	10
Area III	20
HIS 114 or 191, 115 or 192	10
POS 113	5
One course selected from: ANT 201, ECO 201, 202; PSY 101; SOC 201	5
Area IV	30
CHE 128, 129, 211	15
MAT 206	5
PHY 213 or 219*	5
Computer Science or Mathematics or Natural Science	5
Area V	6
PE 166 and 103 or 108	3
Three activity courses	3
HIS 251 or 252	5
B. Major Field Requirements	45
CHE 341, 342, 343, 344, 345, 346, 380, 491	25
Approved electives chosen from: CHE 307, 308, 350, 421, 441, 461, 462, 466, 481, 482, 483, 492, 493, 496	20
C. Related Field Requirements	15
CS 115, 142, or 246	5
Additional courses in Computer Science, Mathematics, or Natural Sciences	10
D. Electives	30
E. Regents' and Exit Examinations	0
TOTAL	191

*Recommended sequence.

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE WITH A MAJOR
IN CHEMISTRY (with teacher certification)**

	Hours
A. General Requirements	101
Area I	20
ENG 101, 102 or 192, 201 or 292.....	15
One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
MAT 101, 103.....	10
CHE 128, 129.....	10
Area III.....	20
HIS 114 or 191, 115 or 192.....	10
POS 113.....	5
One course selected from: ANT 201, ECO 201, 202; SOC 201 ..	5
Area IV.....	30
CHE 211	5
PHY 211, 212, or 217, 218.....	10
PSY 101.....	5
EDN 200.....	5
One course selected from: ART 200, 271, 272, 273; MUS 200; DRS 228	5
Area V.....	6
PE 117 and 103 or 108.....	3
Three activity courses.....	3
HIS 251 or 252	5
B. Major Field Requirements	45
CHE 341, 342, 343, 380, 491	25
CHE 492, 493 or CHE 481, 482, 483, 496	10
CHE 461	5
Approved 300-400 level Chem- istry elective	5
C. Related Field Requirements.....	25
MAT 206.....	5
BIO 101, 102.....	10
PHY 213 or 219.....	5
One course selected from: AST 301; GEL 301; MET 301; OCE 301, 430; PHY 312.....	5
D. Professional sequence.....	35
EXC 310, EDN 335, 447, 481, 482, 483	30
PSY 301 or EDN 302	5
E. Regents' Examination and Exit Examinations	0
TOTAL	206

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE WITH A MAJOR
IN PHYSICAL SCIENCES**

	Hours
A. General Requirements	101
Area I	20
ENG 101, 102 or 192, 201 or 292.....	15
One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II.....	20
MAT 101, 103.....	10
CHE 128, 129.....	10
Area III.....	20
HIS 114 or 191, 115 or 192; POS 113.....	15
One course selected from: ANT 201, ECO 201, 202; PSY 101; SOC 201	5
Area IV.....	30
PHY 211, 212, 213 or PHY 217, 218, 219	15
MAT 206, 207, 208	15
Area V.....	1
PE 166 and 103 or 108.....	1
Three activity courses.....	1
HIS 251 or 252.....	1
B. Major Field Requirements	4
PHY 312	1
Ten hours chosen from: AST, GEL, MET, OCE	1
Thirty hours selected from the following with a maximum of 15 hours from any one area: CHE 211, 300-400 CHE courses EGR 220, 221, 300-400 EGR courses 300-400 PHY courses	
C. Related Field Requirements.....	2
CS 246	2
CS or MAT.....	2
D. Electives	30
E. Regents' and Exit Examinations	0
TOTAL	20

Minor Concentrations

The minor in Chemistry requires twenty credit hours with grades of "C" or better in upper division chemistry courses.

The minor in Engineering Studies requires Engineering 101, 102, 103, 220, and 221, plus 10 hours chosen from upper division engineering activities for a total of 29 quarter credit hours. A grade of at least "C" in each course is required.

The minor in Physics requires twenty-three credit hours from courses designated as physics numbered 211 or higher. A grade of "C" or better in each course is required.

The minor in Physical Science requires ten credit hours of a laboratory sequence in chemistry, physical science, or physics plus fifteen hours chosen from: AST 301, CHE 301, GEL 301, MET 301, OCE 301. A grade of "C" or better is required in each course.

Engineering Studies Program

A selection of basic engineering courses is offered at Armstrong State College to facilitate the transfer of students into engineering programs. By choosing appropriate courses at Armstrong, a student may be able to complete a baccalaureate engineering program in fewer than two academic years of residence at an engineering school.

All core curriculum and basic engineering courses may be taken at ASC. This program of courses has been constructed and designed with full cooperation and counsel from The Georgia Institute of Technology.

Offerings

Chemistry Offerings

CHE 121-122—Introduction to Chemistry (3-5)

Prerequisite or corequisite: MAT 101. (Credit for these courses may not be applied to a major in chemistry.)

These courses include a study of the fundamental laws and theories of inorganic chemistry, survey of organic chemistry, and an introduction to biochemistry.

CHE 128-129—General Chemistry (4-3-5)

Prerequisite: College Algebra or concurrently. Offered each quarter.

These courses are the first two of the series 128, 129, 211 required to complete an academic year of general chemistry. A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. These courses are designed for the science, pre-medical and engineering student. The laboratory work includes an understanding of fundamental techniques.

CHE 201—Essentials of General Chemistry (5-0-5)

Offered each quarter.

An introduction to inorganic, organic, and biochemistry with emphasis on applications in human physiology and clinical chemistry. Experimental principles will be illustrated with classroom demonstrations.

CHE 202—Physical Principles (4-3-5)

Prerequisite: CHE 201.

This course provides a study of the physical principles of gas behavior, acid-base calculations, weak acid ionization, buffer solutions, pH measurements, blood gas measurements, and other subjects of special interest to persons in allied health sciences.

CHE 211—Chemical Principles (4-3-5)

Prerequisite: CHE 129. Fall and Spring.

This course is the third in the sequence 128, 129, 211 required to complete an academic year of general chemistry. Stresses chemical thermodynamics, kinetics, and equilibria.

CHE 301—The Chemistry of Life (5-0-5)

Prerequisite: Ten quarter hours of laboratory science completed. Offered on demand.

An introductory course covering selected areas of applied biochemistry. This course is not recommended for chemistry, biology, or premedical students.

CHE 307—Principles of Chemical Processes (3-0-3)

Prerequisites: CHE 129 and MAT 206.

Methods of material balance in chemical process are studied. Topic subjects include processes and process variables, systems of units, gas behavior, single-phase and multiphase systems. TEXT: Level of Felder and Rousseau *Elementary Principles of Chemical Processes*.

CHE 308—Principles of Chemical Processes II (3-0-3)

Prerequisite: CHE 307.

Methods of energy balance in chemical processes are studied. Various forms of energy changes involved in both reactive and non-reactive processes are introduced. Emphasis is placed on the application of combined material and energy balances in processes. TEXT: Level of Felder and Rousseau *Elementary Principles of Chemical Processes*.

CHE 341-342—Organic Chemistry (4-0-4)

Prerequisite: Chemistry 129. Fall, Winter.

These courses include the study of aliphatics, aromatic hydrocarbons and their derivatives, polyfunctional compounds, and polynuclear hydrocarbons. Organic reactions are emphasized in terms of modern theory.

CHE 343—Organic Chemistry (4-0-4)

Prerequisite: Chemistry 342. Spring.

A continuation of the organic chemistry sequence 341, 342. This course completes the fundamental study of organic chemistry with a consideration of carbohydrates, amino acids, and heterocyclics with their related compounds.

CHE 344, 345, 346—Organic Chemistry Laboratory I, II, III (0-3-1)

Corequisite or Prerequisite: CHE 341, 342, 343 respectively.

Studies of techniques and reactions used in organic chemistry.

CHE 350—Chemical Literature (2-0-2)

Prerequisite: Chemistry 342. Offered on demand.

A study of the use of the chemical library and the important journals references, and information sources.

CHE 380—Quantitative Instrumental Analysis (3-6-5)

Prerequisite: CHE 129. Winter and Summer.

A study of the principles of volumetric, spectrophotometer, electrometric and chromatographic methods of analysis.

CHE 397—Scientific Glass-Blowing (0-4-2)

Prerequisite: Permission of the Instructor. Offered on demand.

Properties of glass for scientific apparatus; introduction of glass working equipment; planning of sequential joining operations; demonstration of major techniques for joining and working glass; supervision of individual students in preparing testpieces.

CHE 410—Chemical Safety (3-0-3)

Prerequisite: CHE 341. Offered on demand.

Topic subjects will include standard laboratory safety practices, hazardous properties of chemicals, safety practices in the storage, use and disposal of chemicals, and government regulations.

CHE 421—Advanced Inorganic Chemistry (3-3-4)

Prerequisite: CHE 380. Offered on demand.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHE 431-432—Seminar (3-0-3)

Prerequisite: CHE 343. Offered on demand. Selected topics for group discussion.

CHE 441—Advanced Organic Chemistry (3-0-3)

Prerequisite: CHE 343. Spring.

A further study of important organic reaction emphasizing theories of reaction mechanism of organic chemistry.

CHE 448—Organic Qualitative Analysis (2-9-5)

Prerequisite: CHE 343. Offered on demand.

Systematic approach to the identification of organic compounds.

CHE 451—History of Chemistry (5-0-5)

Spring, odd years. Prerequisites: Junior standing and CHE 129.

The development of science surveyed from antiquity to the present. Emphasis is placed on the development of ideas, men who made significant contributions, evolution of chemical theories, and the modern social implications of science.

CHE 461—Biochemistry (5-0-5)

Prerequisite: CHE 343. Offered on demand.

A study of the chemical nature of cellular constituents and cellular metabolism. Subject topics include carbohydrates, proteins, lipids, enzymes, vitamins and coenzymes, anaerobic carbohydrate metabolism, lipid metabolism, tricarboxylic acid cycle, oxidative phosphorylation, and photosynthesis.

CHE 462—Biochemistry (5-0-5)

Prerequisite: CHE 461. Offered on demand.

A study of the metabolism of ammonia and nitrogen-containing compounds, the biosynthesis of nucleic acids and proteins, metabolic regulation, and selected topics.

CHE 463—Clinical Chemistry (4-3-5)

Prerequisite: CHE 343. Offered on demand.
A study of the principles of chemistry applied in the clinical laboratory. Topic subjects to include instrumentation and microtechniques.

CHE 466—Biochemistry Laboratory (6-2)

Prerequisite or corequisite: CHE 461. Offered on demand.

A study of techniques used in biochemistry research. Topic subjects include separation, purification and characterization procedures.

CHE 481—Advanced Instrumental Analysis (3-2)

Prerequisite: CHE 380.

A study of electrometric methods of analysis. Topic subjects will include potentiometric, coulometric, and polarographic measurements.

CHE 482—Advanced Instrumental Analysis (3-2)

Prerequisites: CHE 380 and PHY 312.

A study of spectrophotometric and chromatographic methods of analysis. Topic subjects include visible and ultra-violet spectroscopy, gas-liquid chromatography, high performance liquid chromatography, atomic emission and absorption spectroscopy.

CHE 483—Advanced Instrumental Analysis (3-2)

Prerequisites: CHE 342 and 482.

A continuation of the study of spectroscopy. Topic subjects will include infrared spectroscopy, nuclear magnetic resonance, electron spin resonance and mass spectrometry.

CHE 491-492-493—Physical Chemistry (3-5)

Prerequisites: CHE 380, PHY 213, MAT 206. Fall, Winter, Spring.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. These courses will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHE 496—Internship (V-V(1-12))

Offered by special arrangement. Prerequisites: CHE 343, 380, 491 and permission of the Chemistry Intern Program Director.

The student will pursue a meaningful project in industry, government or other institutional setting. The project will be determined, supervised, and evaluated by the sponsor of the activity and

the student's faculty adviser. Application and arrangement must be made through the department by mid-quarter preceding the quarter of internship. Open to transient students only with permission of the Dean of the Faculty at Armstrong and the appropriate official of the school from which the student comes.

CHE 497-498-499—Independent Study (V-V-(1-5))

Prerequisite: Consent of the Head of the Department. Offered each quarter.

Designed to permit qualified students to pursue supervised individual research or study. Emphasis will be placed on the literature search, laboratory experimentation, and presentation of an acceptable written report. Both the credit and proposed work must be approved in writing by the faculty member who will supervise the work and by the department head. Open to transient students only with the permission of the Dean of the Faculty at Armstrong and of the college from which the student comes.

Engineering Offerings**EGR 100—Introduction to Engineering (3-0-3).**

Prerequisite: Eligibility to enter MAT 101 and ENG 101.

A comprehensive orientation to the engineering process from problem formulation to the evolution of creative design; fundamental concepts from various fields of engineering.

EGR 170—Engineering Graphics (2-3-3)

Prerequisite: MAT 103.

Communication using orthographic projection, reading and writing the graphic language both with instruments and through free-hand sketching, pictorials, auxiliaries, dimensioning, geometric construction and lettering.

EGR 171—Engineering Graphics II (2-3-3)

Prerequisite: EGR 170.

Space visualization of points, lines, and planes; graphical analysis of engineering problems; fundamentals of computer-aided design; working drawings related to specialized engineering fields.

EGR 220—Statics (5-0-5)

Prerequisites: PHY 217 and MAT 207.

Concepts of forces, moments, and other vector quantities; analysis of two-and-three-dimensional force systems; conditions of equilibrium; friction; centroids and moments of inertia.

EGR 221—Dynamics (5-0-5)

Prerequisites: EGR 220 and MAT 208.

Kinematics of particles and rigid bodies; kinematics of particles and rigid bodies using force-mass-acceleration, work-energy, and momentum methods in two-and-three-dimensional motion.

EGR 322—Mechanics of Deformable Bodies (5-0-5)

Prerequisite: EGR 220.

Internal effects and dimension changes of solids resulting from externally applied loads/ear and bending moment diagrams; analysis of stress and strain; beam deflection; column stability.

EGR 310—Electrical Circuit Analysis (5-0-5)

Prerequisite: PHY 218. Prerequisite or Corequisite: MAT 341.

Basic laws of electrical circuits: RCL circuits, nodal and mesh analysis. Thevenin's and Norton's theorems; phasors, magnetically coupled circuits, and two-port parameters.

EGR 311—Electronics I (5-3-6)

Prerequisite: EGR 310.

Introduction to P-N junction theory and the concepts of solid-state devices; development of the electrical characteristics of diodes and transistors; bipolar and field-effect amplifying circuits; operational amplifiers and analog systems.

EGR 312—Electronics II (2-6-4)

Prerequisite: EGR 311.

Operation and application of integrated circuits used in digital systems; gates, flip-flops, counters, registers and memory devices.

EGR 323—Fluid Mechanics (5-0-5)

Prerequisites: EGR 221, EGR 330, and MAT 341.

Fluid Statics; analysis of fluid motion using the continuity, momentum, and energy conservation relationships; introduction to viscous flows.

EGR 330—Thermodynamics I (5-0-5)

Prerequisites: PHY 217 and MAT 208.

Basic concepts of thermodynamics; properties of substances; conservation principles; the

first and second laws of thermodynamics; entropy; analysis of thermodynamic systems.

EGR 331—Thermodynamics II (5-0-5)

Prerequisite: EGR 330.

Gas cycles; vapor cycles; thermodynamic relationships; thermodynamic behavior of real gases; non-reacting gas mixtures; thermodynamics of chemical reactions.

EGR 332—Heat Transfer (5-0-5)

Prerequisite: EGR 323.

The fundamental principle of heat transfer; steady and transient conduction in solids; introduction to convective heat transfer; thermal radiation.

EGR 350—Computer Applications in Engineering (2-3-3)

Prerequisites: CS 246, EGR 221, EGR 310, EGR 323.

The application of digital computers to the solution of selected engineering problems using FORTRAN; emphasis on problem analysis and solution techniques.

EGR 370—Engineering Economic Analysis (3-0-3)

Prerequisites: MAT 206 and ECO 202.

Fundamental principles and basic techniques of economic analysis of engineering projects including economic measure of effectiveness, time value of money, cost estimation, breakeven and replacement analysis.

EGR 396—Engineering Internship (V-V-(1-12))

Prerequisites: EGR 171, EGR 322, and permission of the Engineering Intern Program Director.

The student will pursue a meaningful project in industry or government. The project will be determined, supervised, and evaluated by the sponsor of the activity and the Engineering Intern Program Director. Application and arrangement must be made through the department mid-quarter preceding the quarter of internship.

Physical Science Offerings**PHS 121—Physical Environment (4-2-5)**

Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and concepts of physics and astronomy. This course is designed for non-science majors interested in a descriptive survey. The laboratory

udy is designed to supplement the study of eory.

IS 122—Physical Environment (4-2-5)

Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and theories of chemistry and geology. This is descriptive course which includes the classification of elements, basic chemical reactions, and atomic structure designed for the non-science major. The laboratory study includes experiences which augment class discussion.

ST 301—Introduction to Astronomy

(0-5)

Prerequisite: Ten quarter hours of laboratory science completed. Winter.

A study of the planetary system, stars, stellar structure, and cosmology.

EL 301—Introduction to Geology (5-0-5)

Prerequisite: Ten quarter hours of a laboratory science completed. Fall.

An introduction of physical and historical geology. A study of the origin, evolution, and structure of the earth's crust, and geologic history.

ET 301—Introduction to Meteorology

(0-5)

Prerequisites: Ten quarter hours of laboratory science completed. Spring.

An introduction to the description of the state of the atmosphere and to the physical laws that describe atmospheric phenomena.

CE 301—Introduction to Oceanography

(0-5)

Prerequisite: Ten quarter hours of a laboratory science completed. Offered on demand.

A study of the basic principles of oceanography. Topic subjects to include the distribution of water over the earth, nature and relief of the ocean floors, tides and currents, chemical properties of sea water and constituents, and applications of oceanographic research.

Physics Offerings

HY 211—Mechanics (4-2-5)

Prerequisite: MAT 103. Fall.

The first part of the sequence PHY 211-212-213 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for students with aptitude in mathematics below the level of calculus. Selected experiments to demonstrate applications.

PHY 212—Electricity, Magnetism, Basic Light (4-2-5)

Prerequisites: MAT 103 and PHY 211.

Winter.

The second part of the sequence PHY 211-212-213. Basic electricity, magnetism, and geometrical optics.

PHY 213—Light Phenomena, Modern Physics (4-2-5)

Prerequisites: MAT 103 and PHY 212. Spring.

The last part of the sequence PHY 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHY 217—Mechanics (5-3-6)

Prerequisite: MAT 206. Fall and Spring.

The first part of the sequence PHY 217-218-219 in general physics. Basic classical physics, including mechanics, sound and heat. Designed especially for engineering students and recommended for science majors. Selected experiments to demonstrate applications.

PHY 218—Electricity, Magnetism, Basic Light (5-3-6)

Prerequisites: MAT 207 or concurrently and PHY 217.

Winter and Fall.

The second part of the sequence PHY 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHY 219—Light Phenomena, Modern Physics (5-3-6)

Prerequisite: PHY 218. Spring and Winter.

The last part of the sequence PHY 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHY 310—Electrical Circuit Analysis (5-0-5)

Prerequisite: PHY 218. Prerequisite or Corequisite: MAT 341.

Basic laws of electrical circuits: RCL circuits, nodal and mesh analysis. Thevenin's and Norton's theorems; phasors, magnetically coupled circuits, and two-port parameters.

PHY 312—Digital Electronics (3-6-5)

Prerequisites: Math 103 and ten quarter hours of laboratory science completed.

An introduction to discrete component and integrated circuits used in modern digital electronics. The primary objective of this course is to give students hands-on experience in constructing and investigating an array of digital circuits that are directly applicable in instrumentation.

PHY 322—Mechanics of Deformable Bodies (5-0-5)

Prerequisite: EGR 220.

Internal effects and dimension changes of solids resulting from externally applied loads; shear and bending moment diagrams; analysis of stress and strain; beam deflection; column stability.

PHY 323—Fluid Mechanics (5-0-5)

Prerequisites: EGR 221, EGR/PHY 330, and MAT 341.

Fluid Statics; analysis of fluid motion using the continuity, momentum, and energy conservation relationships; introduction to viscous flows.

PHY 330—Thermodynamics I (5-0-5)

Prerequisites: PHY 217 and MAT 208

Basic concepts of thermodynamics: properties of substances; conservation principles; the first and second laws of thermodynamics; entropy; analysis of thermodynamic systems.

PHY 380—Introductory Quantum Mechanics (5-0-5)

Prerequisites: PHY 213 or PHY 219 and MAT 207. Offered on demand.

An introduction to quantum mechanical principles with applications in atomic and molecular structure.

PHY 417—Mechanics II (5-0-5)

Prerequisites: PHY 217 or 211 and MAT 207. PHY 218 or 212 and MAT 341 are recommended. Offered on demand.

Statics, kinematics, and dynamics of particles and of systems of particles are developed using Newtonian principles.

Marine Science Center Offerings

The following course, offered at the Skidaway Island Marine Science Center, is cooperatively sponsored by Armstrong State College, Georgia Institute of Technology, Georgia Southern College, Savannah State College, and the University of Georgia.

OCE 430—Applied Oceanography (6-4-5)

Prerequisites: CHE 128, 129; BIO 101, 102. Offered Summer Quarter.

The aspects of physical, chemical, and biological sciences which are marine oriented are applied to specific problems in the ocean and its environs. Collection and interpretation of field data stressed, utilizing vessels and equipment of the Skidaway Institute of Oceanography.

GRADUATE COURSES

The Chemistry MEd program has been deactivated, but the department continues to offer limited graduate course offerings. Students should check with the chemistry department for complete information on course offerings.

Chemistry Offerings**CHE 501—Chemistry of Life (5-0-5)**

(See CHE 301 for course description.)

CHE 507—Principles of Chemical Processes I (3-0-3)

(See CHE 307 for course description.)

CHE 508—Principles of Chemical Processes II (3-0-3)

(See CHE 308 for course description.)

CHE 541-542—Organic Chemistry (4-3-5)

(See CHE 341-342 for course description.)

CHE 543—Organic Chemistry (4-3-5)

(See CHE 343 for course description.)

CHE 544, 545, 546—Organic Chemistry Laboratory I, II, III (0-3-1)

(See CHE 344, 345, 346 for course description.)

CHE 580—Quantitative Instrumental (3-6-5)

(See CHE 380 for course description.)

CHE 600—Introduction to Chemical Research (2-0-2)

This course outlines systematic methods of literature research and preparation research outlines from reference or original articles.

CHE 622—Inorganic Chemistry (3-0-3)

Modern theory of structures and bonding, acid-base theories, and properties of some rare elements and unusual compounds will be detailed. The latter includes nonstoichiometric compounds, rare gas compounds, and coordination complexes.

HE 641—Advanced Organic Chemistry (0-3)

(See CHE 441 for course description.)

HE 651—History of Chemistry (5-0-5)

(See CHE 451 for course description.)

HE 661—Biochemistry I (5-0-5)

(See CHE 461 for course description.)

HE 662—Biochemistry II (5-0-5)

(See CHE 462 for course description.)

HE 663—Clinical Chemistry (4-3-5)

(See CHE 463 for course description.)

HE 666—Biochemistry Laboratory (0-6-2)

(See CHE 466 for course description.)

HE 681—Advanced Instrumental I (1-3-2)

(See CHE 481 for course description.)

HE 682—Advanced Instrumental II (1-3-2)

(See CHE 482 for course description.)

HE 683—Advanced Instrumental III (1-3-2)

(See CHE 483 for course description.)

HE 691-692-693—Physical Chemistry (3-5)

(See CHE 491-492-493 for course description.)

HE 721—Chemistry for High School Teachers (4-3-5)

This course covers CHEM study material and Chemical Bonding. Approach material for high school teachers.

HE 731—Development of Chemical Theories (3-0-3)

A study of the basic principles upon which all known chemical theories are founded. Topics such as the kinetic molecular theory, chemical equilibria, and spectroscopy will be discussed.

HE 794—Chemistry for Elementary Teachers (5-0-5)

A study of the more important metallic and non-metallic elements with emphasis on practical application at the elementary school level.

HE 798—Seminar (2-0-2)

Discussion of selected topics.

Physical Science Offerings**AST 601—Astronomy for Teachers (5-0-5)**

Topic subjects will include the solar system, stellar evolution, stars and star systems, and methods in astronomy.

GEL 601—Geology for Teachers (5-0-5)

A survey of physical and historical geology. Topic subjects will include a geologic history, plate tectonics, and identification of minerals and rocks.

MET 601—Meteorology for Teachers (5-0-5)

A study of the atmosphere, weather, and climate.

OCE 601—Oceanography for Teachers (5-0-5)

Topic subjects will include origin and structure of ocean floors, tides and currents, chemical and physical properties of sea water, and applications of oceanographic research.

PHS 795—Earth Science of Elementary Teachers (5-0-5)

Study of the compositions of earth, classification and identification of rocks and minerals in a format appropriate for teachers of elementary age children.

PHS 701—Principles of Astronomy, Geology and Meteorology (5-0-5)

A study of unifying principles associated with the disciplines of astronomy, geology and meteorology. Emphasis will be placed on materials, demonstrations and testing associated with the physical sciences.

Physics Offerings**PHY 510—Electrical Circuit Analysis (5-0-5)**

(See PHY 310 for course description)

PHY 512—Digital Electronics (3-6-5)

(See PHY 312 for course description)

PHY 522—Deformable Bodies (5-0-5)

(See PHY 322 for course description)

PHY 523—Fluid Mechanics (5-0-5)

(See PHY 323 for course description)

PHY 530—Thermodynamics (5-0-5)

(See PHY 330 for course description)

PHY 580—Introduction to Quantum Mechanics (5-0-5)

(See PHY 330 for course description)

PHY 602—Physics for Secondary School Teachers (5-0-5)

A study of the principles of physics appropriate for teachers of physics and physical science. National curricula such as the Harvard Project Physics and PSSC will be studied.

PHY 603—Physics Laboratory for Science Teachers (3-4-5)

A study of the theory and practice of selected laboratory exercises and demonstrations.

PHY 617—Mechanics II (5-0-5)

(See PHY 417 for course description)

Course at Marine Science Center

The following course is offered at the Marine Science Center on Skidaway Island and is open to both graduate and undergraduate students. This course is cooperatively sponsored by Armstrong State College, Georgia Institute of Technology, Georgia State University, Georgia Southern College, and the University of Georgia.

OCE 630—Applied Oceanography (6-4-5)

Prerequisites: General Chemistry and General Biology. Offered Summers.

The aspects of physical, chemical, and biological sciences which are marine oriented as applied to specific problems in the ocean and its environs. Collection and interpretation of field data stressed utilizing vessels and equipment of the Skidaway Institute of Oceanography.

Fine Arts

Faculty

Anderson, James, Department Head
Campbell, Michael
Harris, Robert
Jensen, John
Jensen, Linda
Schmidt, John
Schultz, Lucinda
Vogelsang, Kevin

The Department of Fine Arts offers the Bachelor of Arts degree with majors in art and music, the Bachelor of Music Education degree, and in cooperation with the Department of Secondary Education, the Bachelor of Science in Education degree with a major in Art Education.

Placement Examinations

Transfer and new students in music must take placement examinations as appropriate in applied music, music theory, and music history. Acceptance of transfer credit towards graduation requirements in each area is contingent upon the results of the examination.

Transfer students in art will be required to take a placement examination in art history. Additionally,

coursework at other institutions in studio art may not be counted towards graduation unless a portfolio of artwork is submitted demonstrating competency in those areas in which classes have been completed.

Additional Requirements for Music Majors

There are a variety of departmental policies and regulations which affect music majors. Included are requirements for recital attendance, ensemble participation, piano proficiency, recital participation, applied music levels, and the Rising Junior Applied Music Examination. A copy of *A Handbook of Policies and Regulations for Music Majors* will be given to each music student.

Please see the "Fees" section of this catalog for information on applied music fees.

Directed Individual Studies (DIS)

Directed Individual Studies (DIS) have a distinctly useful place in the Fine Arts curriculum. The intent of the DIS is for an enrichment experience that otherwise is unavailable in the classroom. Normally, regular curriculum coursework should not be completed by individual study.

However, if a regular course is to be taught by individual study, the following criteria must be met before approval may be granted by the department head: 1) the course must not have been offered during the preceding three quarters nor be scheduled during the succeeding three quarters; 2) the student must gain the approval of the anticipated instructor; 3) transfer students must gain the permission of not only the department head, but the dean of faculty and of the college from which the student comes; and 4) the student must demonstrate, by writing, that a hardship will exist if permission is denied, for the student to take an individual study.

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN ART

A. General Requirements	
Area I	
1. ENG 101, 102 or 192, 201 or 292	
2. One course from: ART 200, 271, 272, 273; ENG 222; PHI 200, 201; MUS 200	

May not be duplicated with major field, Area and elective requirements.)

	Hours
General Requirements	101
Area I	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II.....	20
1. MAT 101, 290.....	10
2. Lab Science Sequence	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15

*(May not be duplicated with Major Field Requirements)

PROGRAM FOR THE DEGREE OF BACHELOR OF MUSIC EDUCATION

	Hours
A. General Requirements	101
Area I	20
1. ENG 101, 102, or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II.....	20
1. MAT 101, 290.....	10
2. Laboratory Science Sequence	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201, ECO 201, SOC 201.....	5
Area IV.....	30
1. EDN 200; PSY 101.....	10
2. MUS 111, 112, 113, 140, 236, 281.....	20
Area V.....	6
1. PE 103 or 108, 117	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5
B. Courses in the Major Field.....	65-68
1. MUS 211, 212, 213, 237, 238, 239.....	15
2. MUS 240, 340	12
3. MUS 312, 330, 331, 361, 412	17
4. MUS 371, 372, 373	9
5. One of the following emphases:	
A. Choral Emphasis	
MUS 353, 313, 423, 480, and 314 or 315.....	12
B. Instrumental Emphasis	
MUS 227, 352, 416, 424, 481	12
C. Keyboard Emphasis	
MUS 227, 425, 420 or 421, 423 or 424, 352 or 353, 480 or 481	15
C. Professional Sequence	30
1. EXC 310; EDN 335, 491, 492, 493.....	25
2. PSY 301 or EDN 302	5
D. Special Course Requirements.....	0
One half of senior recital.....	0
E. Regents' and Exit Examinations	0
TOTAL	196-199

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION II SECONDARY EDUCATION IN THE TEACHING FIELD OF ART EDUCATION

	Hours
A. General Requirements	101
Area I	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II.....	20
1. MAT 101, 290.....	10
2. Approved laboratory science sequence	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201; ECO 201, 202; SOC 201	5
Area IV.....	30
1. EDN 200, PSY 101	10
2. ART 111, 112, 201, 213.....	20
Area V.....	6
1. PE 103 or 108, 117	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5
B. Teaching Concentration.....	58-
1. ART 202, 204	10
2. ART 271, 272, 273*.....	10
3. ART 313, 330, 340, 350, 351, 370.....	17
4. One course from: ART 314, 362, 363.....	5
5. ART 400	5
C. Professional Sequence	30
1. EXC 310; EDN 335, 491, 492, 493.....	25
2. PSY 301 or EDN 302	5
D. Electives	0
E. Regents' and Exit Examinations	0
TOTAL	196

**May not be duplicated in Area I.

Minor Concentrations

Minor concentrations in art and in music are available through the Department of Fine Arts. The requirements of each are:

	Hours
1. ART 111, 112	25
2. One course selected from: ART 271, 272, 273	10
3. Two courses selected from: ART 201, 202, 211, 213, 214, 314, 330, 331, 340, 362, 363, 364, 370, 413	5
4. Music	29
5. MUS 111, 112, 113	9
6. Applied Music (six hours in one area)	6
7. Music Ensemble 251 or 254	6
8. Music History and Literature	8
9. MUS 000 (recital attendance)	0

Associate in Arts with Concentrations

	HOURS
1. Concentration in Art	25
2. ART 111, 112	10
3. One course selected from: ART 271, 272, 273	5
4. Two courses selected from: ART 114, 201, 202, 211, 213, 214, 215, 330, 331, 340, 362, 363, 364 370, 413	10
5. Concentration in Music	29
6. MUS 111, 112, 113	9
7. Applied Music (six hours in one area)	6
8. Music Ensemble 251, 254	6
9. Music History and Literature	8
10. Piano Proficiency	0
11. MUS 000 (Recital Attendance)	0

Art Offerings

Unless stated otherwise, courses are open to on-art majors.

ART 111—Basic Design I (4-2-5)

Fall.

An introduction to two-dimensional design and graphic communication.

ART 112—Basic Design II (4-2-5)

Winter. Prerequisite: A grade of "C" or better in Art III or permission of instructor.

The fundamentals of three-dimensional design introduced through sculptural projects in various media.

ART 200—Introduction to the Visual Arts (5-0-5)

Offered on demand.

A study of artistic theories, styles, media and techniques and their application in masterworks of art from all ages. Not recommended for art majors.

ART 201—Painting I (4-2-5)

Winter. Prerequisite: A grade of "C" or higher in ART 111 or ART 213 or permission of the instructor.

A basic course in acrylic or oil painting from observed and secondary sources.

ART 202—Painting II (4-2-5)

Spring. Prerequisite: A grade of "C" or higher in ART 201 or permission of the instructor.

A continuation of Painting I with an increasing emphasis on student selected painting problems.

ART 204—Introduction to Photography (4-2-5)

Offered on demand.

Introduction to black and white photographic aesthetics and processes. Including study of the mechanical-optical functions of cameras and enlargers as well as printing and processing of film in a controlled environment.

ART 211—Graphic Design (4-2-5)

Offered on demand.

Prerequisite: ART 111 or permission of the instructor.

The fundamentals of visual communication including design, layout, typography and reproduction as related to modern advertising techniques.

ART 213—Drawing I (4-2-5)

Winter.

A fundamental course emphasizing representational drawing from still-life, landscape, and figural form.

ART 271—History of Art (5-0-5)

Fall.

A survey of the visual arts, painting, sculpture, and architecture, in Western Civilization from pre-history to the Late Middle Ages.

ART 272—History of Art II (5-0-5)

Winter.

Italian Renaissance through Rococo art.

ART 273—History of Art III (5-0-5)

Spring.

Modern Art, the late eighteenth through the twentieth centuries.

ART 313—Drawing II (4-2-5)

Spring.

Prerequisite: A grade of "C" or higher in ART 213 or permission of the instructor.

A continuation of Drawing I with emphasis on figuration, composition, and color.

ART 314—Intermediate Photography (3-3-5)

Offered on demand.

Prerequisite: ART 204 or permission of the instructor.

A continuation of the study of the aesthetics and processes in black and white photography.

ART 315—Color Photography (3-3-5)

Offered on demand.

Prerequisite: ART 204, or permission of the instructor.

An introduction of the principles, aesthetics, and print processes of color photography.

ART 316—Hand Colored and Manipulated Silver Print (3-3-5)

Offered on demand.

Prerequisite: ART 204, or permission of the instructor.

Exploration of a variety of media and techniques to enhance and alter a silver print.

ART 320—Art for the Elementary Teacher (4-2-5)

Fall, Spring.

Prerequisite: Admission to Teacher Education.

A study, with studio experience, of materials and methods for teaching art at the elementary school level.

ART 330—Ceramics I (4-2-5)

Introduction to fundamentals of wheel thrown pottery, handbuilding techniques and ceramic sculpture. Emphasis is on decoration, form, craftsmanship and creativity. Traditional glazing

and firing techniques as well as an exploration into non-traditional methods of coloring and construction.

ART 331—Pottery Techniques (4-2-5)

Emphasis is on techniques of pottery utilizing the potter's wheel.

ART 333—Ceramic Sculpture (4-2-5)

Prerequisite: Ceramics I or permission of the instructor.

Emphasis is on developing ideas into large scale ceramic sculpture. Individual attention and direction is facilitated. Projects may include pottery, the figure, abstractions, wall relief and mixed media construction.

ART 340—Printmaking I (4-2-5)

An introduction to basic printmaking ideas and terminology. Projects will include one or more of the following: linoleum, woodblock, linocut, taglio, silkscreen and non-traditional methods of making prints.

ART 350—Art in the Lower School (4-2-5)

Fall. Prerequisite: Permission of the instructor. Art education majors only.

The analysis and evaluation of techniques and materials for teaching art in the elementary school.

ART 351—Art in the Middle and Upper School (4-2-5)

Winter. Prerequisite: Permission of the instructor. Art education majors only.

The analysis and evaluation of techniques and materials for teaching art in junior and senior high school.

ART 362—Enameling/Jewelry Making (4-2-5)

Offered on demand.

Introduction of process in the production of a variety of enameled art works, and of process in the making of jewelry, both handmade and cast.

ART 363—Batik/Textile Design (4-2-5)

Offered on demand.

Exploration of a variety of processes used applying original designs to fabric.

ART 364—Fibers Construction (4-2-5)

Offered on demand.

Development of processes used in/on and techniques in weaving and in contemporary fiber wall hangings.

ART 370—Sculpture I (4-2-5)

An introduction to basic sculpture ideas, terminology, and processes. Emphasis is on developing technique and ideas. Projects may include wood, metal, clay, plaster, or other.

ART 400—Seminar in Art Education**3-0-3)**

Prerequisite: Permission of the instructor. Art education majors only.

A survey of current trends in instructional and research techniques.

ART 413—Drawing III (4-2-5)

Spring. Prerequisites: A grade of "C" or higher in ART 313 or permission of instructor.

A continuation of Drawing II with increasingly complex problems in concept, design, and technique.

ART 489—Selected Studies in Art (V-V(1-5))

Offered on demand

Prerequisite: Permission of the instructor.

Varied course offerings designed to meet special institutional and community needs. May be repeated for credit.

ART 490—Directed Individual Study**V-V(1-5))**

Prerequisite: See departmental statement.

ART 491—Internship (V-V(1-4-5))

Offered by special arrangement. Prerequisite: Permission of instructor and department head and an overall grade point average of 2.5.

The student will pursue an individually designed course project involving off-campus study, work, and/or research. Projects usually encompass the entire academic quarter and are under the joint supervision of the sponsoring institution and his/her faculty supervisor.

Applied Music Offerings

Unless stated otherwise, courses are open to non-music majors.

MUS 130—Applied Music (one credit)

Prerequisite: Sufficient music background, determined by audition of MUS 110.

One twenty-five minute lesson per week in brass, organ, percussion, piano, strings, voice, or woodwinds. Applicable to a music degree only for a secondary applied credit. May be repeated for credit.

MUS 140—Applied Music (two credits)

Prerequisite: Open to music majors and a limited number of non-majors by audition only.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUS 240—Applied Music (two credits)

Prerequisite: Competency at the MUS 140 level as determined by jury examination. Music majors only.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUS 340—Applied Music (two credits)

Prerequisite: Successful completion of the Rising Junior Applied Music Examination. Music majors only.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUS 440—Applied Music (two credits)

Prerequisite: Competency at the MUS 340 level as determined by jury examination. Music majors only.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

Music Offerings**MUS 000—Recital Attendance (0-V-0)**

A requirement for music majors and minors which consists of attendance at a designated number of concerts/recitals each quarter.

MUS 110—Basic Music Theory (3-0-3)

Spring.

An introduction to music theory for students needing skills for MUS 111. May not be used for credit toward a degree in music.

MUS 111—Elementary Theory I (3-2-3)

Fall. Prerequisite: MUS 110 or equivalent by examination.

An introduction to the basic theoretical principles of music including sight-singing, ear-training and keyboard harmony.

MUS 112—Elementary Theory II (3-2-3)

Winter. Prerequisite: A grade of "C" or higher in MUS 111 or permission of instructor.

A continuation of MUS 111 with emphasis on part-writing and diatonic material.

MUS 113—Elementary Theory III (3-2-3)

Spring. Prerequisite: A grade of "C" or higher in MUS 112 or permission of instructor.

A continuation of MUS 112 introducing seventh chords and diatonic modulation

MUS 114—Jazz Improvisation I (2-0-2)

Offered on demand. Prerequisite: MUS 113 or permission of instructor.

Emphasis on basic jazz literature, chord symbol, melodic patterns, ear training, melodic concepts and analysis of improvised solos.

MUS 200—Introduction to Music Literature (5-0-5)

Fall, Winter, Spring.

A course designed to help the student understand music by means of analysis of style, forms, and media of musical expression.

MUS 201—Understanding Jazz (3-0-3)

Offered on demand.

A non-technical survey of jazz performers and styles with emphasis on recorded literature. The course will examine elements of jazz such as improvisation, instrumentation and rhythm and trace their development from New Orleans to contemporary fusion music.

MUS 202—Survey of Rock Music (3-0-3)

Offered on demand.

A non-technical survey of rock music and its styles with emphasis on recorded literature.

MUS 203—Popular Music in 20th Century America (3-0-3)

Offered on demand.

A survey of popular music from ragtime to present. Examination of popular music and its relationship to American culture.

MUS 211—Intermediate Theory I (3-2-3)

Fall. Prerequisite: A grade of "C" or higher in MUS 113 or permission of instructor.

A continuation of MUS 113 with emphasis on chromatic harmony.

MUS 212—Intermediate Theory II (3-2-3)

Winter. Prerequisite: A grade of "C" or higher in MUS 211 or permission of instructor.

A continuation of MUS 211.

MUS 213—Intermediate Theory III (3-2-3)

Spring. Prerequisite: A grade of "C" or higher in MUS 212 or permission of instructor.

A continuation of MUS 212 with emphasis on twentieth century techniques.

MUS 214—Jazz Improvisation II (2-0-2)

Prerequisite: MUS 114 or permission of the instructor.

Emphasis on the analysis and performance of intermediate jazz literature and composition in contemporary styles.

MUS 224—Class Guitar (0-2-1)

Offered on demand.

Designed for the development of basic skills in playing the guitar for accompanying. Focuses on chorded styles and their application to music such as folk songs and popular music.

MUS 226—Class Piano I, II, III (0-2-1)

Offered on demand. Prerequisite: Permission of the instructor. Students enrolling in II or III must have received a grade of "C" or higher in the preceding class.

A study of keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

MUS 227—Class Voice (0-2-1)

Offered on demand. Prerequisite: Music major status or permission of the instructor.

A study of voice production techniques with practical application to standard song literature. Not open to students whose principal instrument is voice.

MUS 236—Brass Methods (0-4-2)

Offered on demand. Music majors only.

An introduction to the principles of brass instrument performance and pedagogy.

MUS 237—Woodwind Methods (0-4-2)

Offered on demand. Music majors only.

An introduction to the principles of woodwind instrument performance and pedagogy.

MUS 238—Percussion Methods (0-4-2)

Offered on demand. Music majors only.

An introduction to the principles of percussion instrument performance and pedagogy.

MUS 239—String Methods (0-4-2)

Offered on demand. Music majors only.

An introduction to the principles of string instrument performance and pedagogy.

MUS 250—Pep Band (0-2-1)

Fall, Winter. Open to qualified students.

A group to provide spirit music at school athletic functions. May be taken for academic credit, at most, four times.

MUS 251—Concert Band (0-2-1)

Open to qualified students.

Repertoire to be selected from the standard literature for symphonic band. Public performances are a part of the course requirement.

MUS 252—Jazz Ensemble (0-2-1)

Open to qualified students.

Repertoire to be selected from a variety of jazz styles and periods. Public performances are part of the course requirement.

US 253—Armstrong Singers (0-2-1)

Membership open to all students by audition. Jazz Choir. Public performances are a part of the course requirement.

US 254—Concert Choir (0-3-1)

Membership open to all students. Ability to read music desired but not required. Repertoire to be selected each quarter from the standard choral concert literature. There will be public performances each quarter.

US 255—Chamber Ensemble (0-2-1)

Offered on demand.

Open to all qualified students in the performance media of brass, woodwind, string, keyboard, voice, and percussion instruments.

US 256—Wind Ensemble (0-3-1)

Offered on demand. Permission of instructor required.

Repertoire to be selected from the standard wind ensemble literature. Public performances are part of the course requirement.

US 257—Opera Workshop (0-2-1)

Offered on demand.

Preparation and performance of work or excerpts of works from the operatic repertoire.

US 258—Keyboard Accompanying (0-2-2)

Offered on demand. Music majors only.

A study of the basic principles of accompaniment.

US 259—Oratorio Chorus (0-2-1)

Membership open to all.

Evening rehearsals. Literature to be selected from the larger choral works. Ability to read music not required. Public performances are part of the course requirement.

US 281—Conducting (3-0-3)

Fall. Prerequisite: MUS 113. Music majors only.

An introduction to the techniques of conducting and interpretation.

US 312—Form and Analysis (3-0-3)

Offered on demand. Prerequisite: MUS 213. Music majors only.

The study of the principles of form in music and techniques of harmonic analysis.

US 313—English and Italian Lyric Diction and Repertoire (2-0-2)

Prerequisite: Music Majors Only

A study of the International Phonetic Alphabet, the phonetics of English and Italian for singing

and a survey of representative English and Italian vocal repertoire.

MUS 314—German Lyric Diction and Repertoire (2-0-2)

Prerequisite: MUS 217, music majors only

Orientation to the phonetics of German for singing by means of the International Phonetic Alphabet and a survey of representative German vocal repertoire.

MUS 315—French Lyric Diction and Repertoire (2-0-2)

Prerequisite: MUS 217, music majors only.

Orientation to the phonetics of French for singing by means of the International Phonetic Alphabet and a survey of representative French vocal repertoire.

MUS 320—Music for the Elementary Teacher (5-0-5)

On demand.

Prerequisite: Admission to Teacher Education.

A study of the materials and methods for teaching general music in the elementary classroom. Not for music majors.

MUS 330—Music in the Lower School (4-0-4)

Winter. Music majors only.

A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the lower school.

MUS 331—Music in the Middle and Upper School (4-0-4)

Spring. Music majors only.

A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the middle and senior high schools.

MUS 352—Band Methods (2-0-2)

Offered on demand. Prerequisite: Music majors only.

A course dealing with the organization, maintenance and development of school instrumental ensembles.

MUS 353—Choral Methods (2-0-2)

Offered on demand. Prerequisite: MUS 227. Music majors only.

A course dealing with the organization and development of school choral organizations, problems of choral singing, and fundamentals of choral conducting.

MUS 361—Orchestration and Arranging (3-0-3)

Offered on demand. Prerequisite: MUS 213. Music majors only.

An introduction to the techniques of arranging and scoring for vocal and instrumental ensembles.

MUS 371—Music History I (3-0-3)

Offered on demand. Prerequisite: One year of music theory or permission of the instructor. Music majors only.

The history of music in Western Civilization from its origins through the Renaissance.

MUS 372—Music History II (3-0-3)

Offered on demand. Prerequisite: One year of music theory or permission of the instructor. Music majors only.

The history of music in Western Civilization in the Baroque and Classic Periods.

MUS 373—Music History III (3-0-3)

Offered on demand. Prerequisite: MUS 213 or permission of the instructor. Music majors only.

The history of music in Western Civilization in the Romantic Period and in the 20th century.

MUS 411—Composition (V-V-2)

Offered on demand. Prerequisite: MUS 213. Music majors only. May be repeated for credit.

MUS 412—Counterpoint (3-0-3)

Offered on demand. Prerequisite: MUS 213. Music majors only.

A study of contrapuntal practices of 18th century music.

MUS 416—Topics in Instrumental Repertoire and Pedagogical Techniques (3-0-3)

Offered on demand. Junior status or permission of the instructor. May be repeated for credit as topics vary.

A survey of instrumental literature and teaching techniques for brass, guitar, percussion, or woodwind instruments.

MUS 420—Piano Literature I (3-0-3)

A survey of the historical, stylistic, formal, and aesthetic features of piano literature of the Baroque and Classic periods.

MUS 421—Piano Literature II (3-0-3)

A survey of the historical, stylistic, formal, and aesthetic features of piano literature of the Romantic and Contemporary periods.

MUS 422—Opera Literature (3-0-3)

Offered on demand. Prerequisite: MUS 200.

A survey of the historical, stylistic, formal, and

aesthetic features of the lyric theatre from Baroque to the present.

MUS 423—Choral Repertoire (3-0-3)

Offered on demand. Prerequisite: Junior status or permission of the instructor. Music majors only.

A survey of the literature of choral ensembles.

MUS 424—Band Repertoire (3-0-3)

Offered on demand. Prerequisite: Junior status or permission of the instructor. Music majors only.

A survey of the literature of band and wind ensemble.

MUS 425—Piano Pedagogy (3-0-3)

Offered on demand. Prerequisite: Music majors only.

A study of pedagogical techniques of the piano and a survey of literature suited for teaching purposes.

MUS 427—Vocal Pedagogy (2-0-2)

Offered on demand.

A study of pedagogical techniques of the voice and a survey of literature suited for teaching purposes.

MUS 428—Marching Band Techniques (2-0-2)

Offered on demand.

Prerequisite: Music majors only or permission of the instructor.

A study of techniques used in show design and instruction of the high school marching band.

MUS 429—Art Song (3-0-3)

Offered on demand. Prerequisite: MUS 200.

A survey of the historical, stylistic, formal, and aesthetic features of the art song from its origins to the present day.

MUS 432—Symphonic Music Literature (3-0-3)

Offered on demand. Prerequisite: MUS 200.

A survey of the historical, stylistic, formal, and aesthetic features of symphonic music from its origins to the present day.

MUS 433—Instrumental Chamber Music Literature (3-0-3)

Offered on demand. Prerequisite: MUS 200.

A survey of the historical, stylistic, formal, and aesthetic features of instrumental chamber music from its origins to the present day.

MUS 480—Advanced Choral Conducting (3-0-3)

Offered on demand. Prerequisites: MUS 281, 312, 361. Music majors only.

Advanced techniques for the choral conductor.

MUS 481—Advanced Instrumental Conducting (3-0-3)

Offered on demand. Prerequisites: MUS 281, 312, 261. Music majors only.

Advanced techniques for the instrumental conductor.

MUS 489—Selected Studies in Music V-V-(1-5)

Offered on demand.

Prerequisite: Permission of the instructor.

Varied course offerings designed to meet special institutional and community needs. May be repeated for credit.

MUS 490—Directed Individual Study V-V-(1-5)

Prerequisite: See departmental statement. Music majors only.

MUS 491—Internship (V-V-(1-5))

Offered by special arrangement. Prerequisite: Permission of instructor and department head and an overall grade point average of 2.5.

The student will pursue an individually designed course project involving off-campus study, work, and/or research. Projects usually encompass the entire academic quarter and are under the joint supervision of the sponsoring institution and his/her faculty supervisor.

rather than the antithesis, of liberal education. Consequently, all departmental programs and courses are conceptually-based, thereby enabling students to develop a theoretical sophistication applicable to practical realities. So conceived, courses and programs achieve curricular integrity.

The Department firmly believes that even curricular integrity is not enough, however. Instructional effectiveness is its inseparable complement, and attainment of these twin goals serves as the primary purpose of the Department of Government. The ongoing program of faculty development ensures that the staff of highly qualified educators—each selected for service on the basis of solid professional credentials—continually achieves that primary purpose.

In addition, the Department of Government highly values both research and service. To the extent of resources available, the Department encourages research by both faculty and students and service to the School, the College and the community.

It is within the foregoing context that the Department of Government both requires the G.R.E. (or L.S.A.T.) as an exit examination for its majors and offers the following undergraduate programs, concentrations and courses.

PROGRAM FOR THE DEGREE, ASSOCIATE OF APPLIED SCIENCE IN CRIMINAL JUSTICE WITH A CONCENTRATION IN LAW ENFORCEMENT

Government**Faculty**

Murphy, Dennis: Department Head

Brown, George

Ealy, Steven

Kearnes, John

Magnus, Robert

Megathlin, William

Moore, Richard

Palmiotto, Michael

Rhee, Steve

Graduate Faculty

	Hours
A. General Requirements	53
1. ENG 101, 102 or 192	10
2. ART 200, 271, 272 or 273; or MUS 200; or PHI 201	5
3. MAT 101	5
4. Laboratory science sequence ..	10
5. HIS 251 or 252; POS 113	10
6. PSY 101; SOC 201	10
7. PE 103 or 108, 166	3
B. Areas of Concentration	40
CJ 100, 103, 210, 280, 290, 301, 305, and two CJ electives	
C. Regents' Examination	0
TOTAL	93

The Department of Government embraces the ideal of liberal education and views education in related professional areas as an extension,

PROGRAM FOR THE DEGREE, ASSOCIATE OF APPLIED SCIENCE IN CRIMINAL JUSTICE WITH A CONCENTRATION IN CORRECTIONS

	Hours
A. General Requirements	53
1. ENG 101, 102 or 192	10
2. ART 200, 271, 272 or 273; or MUS 200; or PHI 201	5
3. MAT 101	5
4. Laboratory science sequence ..	10
5. HIS 251 or 252, POS 113	10
6. PSY 101, SOC 201	10
7. PE 103 or 108, 166	3
B. Area of Concentration	40
CJ 100, 103, 210, 280, 290, 301, 303, 360, and one CJ elective	
C. Regents' Examination	0
TOTAL	93

At least 45 hours of each of these two programs must be completed at Armstrong.

PROGRAM FOR THE DEGREE, BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

Students who intend to major in Criminal Justice should complete Criminal Justice 100 before the end of the freshman year and should complete all general education requirements as soon as possible.

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. ART 200, 271, 272, 273; MUS 200; PHI 201; ENG 222	5
Area II	20
1. MAT 101 and 103, 195, 220, or 290	10
2. Laboratory science sequence ..	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113	15
2. SOC 201; PSY 101; ECO 201 or 202; ANT 201	5
Area IV	30
1. CJ 100, 103, 210, 280, 290	20
2. One course selected from: ANT 201, ECO 201, 202, DRS 228, SOC 201, PSY 101	5

3. HIS 251 or 252	5
Area V	6
1. PE 103 or 108, 166	3
2. Three activity courses	3
B. Area of Concentration	30
1. CJ 301, 303, 305, 360, 390, and 440 or 490	30
C. Electives from Related Areas	65
1. Sixty-five hours chosen from a list of selected electives. Except for students pursuing a minor in another department, no more than fifteen hours may be taken from any one department except Government. Seven of these courses should be 300-400 level courses	65
D. Regents' and Exit Examinations	0
TOTAL	191

Majors in Political Science

The major in Political Science may take three distinct forms: Political Science, *per se*, Political Science with Teacher Certification, or Public Administration.

To complete a Political Science major requires forty quarter hours of upper division courses in the field with grades of "C" or better in each course. Further, the program must include at least one course from each of the following: American Political Institutions, International Relations, Political Theory, and Comparative Government. The major allows the option of a foreign language (French or German preferred) through the 103 level or a sequence of computer science courses. Students who contemplate graduate work in Political Science are strongly advised to take the foreign language option and to continue their linguistic study beyond the 103 level.

Programs in Public Administration and Political Science with Teacher Certification are more structured in order to prepare students adequately to meet the demands of their professional and appropriate licensing agencies.

Scholarships in Political Science

Limited scholarship aid is available annually. Interested students are invited to inquire in the Department of Government office for details.

**PROGRAM FOR THE DEGREE OF
BACHELOR OF ARTS WITH A MAJOR IN
POLITICAL SCIENCE**

	Hours
A. General Requirements	96
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II.....	20
1. MAT 101, 220.....	10
2. One of the sequences: BIO 101, 102; BIO 111, 112; CHE 121, 122; PHS 121, 122.....	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201, ECO 201, PSY 101, SOC 201.....	5
Area IV.....	30
1. HIS 251 or 252.....	5
2. One of the sequences:	
A. Foreign language 101, 102, 103 or	
B. CS 115, 142, and 231.....	15
3. Related courses	10
Area V.....	6
1. PE 103 or 108 and 117.....	3
2. Three activity courses.....	3
B. Courses in the Major Field.....	40
At least one course from each of the following areas:	
1. American Political Institutions—POS 303, 305, 317, 318, 360, 401, 403, 411, 412, 415, 418, 419; CJ 390.....	5-25
2. International Affairs—POS 320, 321, 325, 326, 329, 424, 426, 429.....	5-25
3. Political Theory—POS 333, 334.....	5-10
4. Comparative Government—POS 345, 346, 348, 349, 445, 447	5-25
C. Courses in Related Fields.....	25
To be chosen in fields such as Computer Science, Economics, Geography, Mathematics. See Department for exhaustive list..	25
D. Electives	30
E. Regents' and Exit Examinations	0
TOTAL	191

**PROGRAM FOR THE DEGREE OF
BACHELOR OF ARTS WITH A MAJOR IN
POLITICAL SCIENCE (with teacher
certification)**

	Hours
A. General Requirements	96
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II.....	20
1. MAT 101, 220.....	10
2. Laboratory science sequence ..	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. PSY 101.....	5
Area IV.....	30
1. Foreign language 101, 102, 103 or CS 115, 142, 231.....	15
2. HIS 251 or 252.....	5
3. One course from: ANT 201, ECO 201, SOC 201.....	5
4. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	5
Area V.....	6
1. PE 103 or 108 and 117.....	3
2. Three activity courses.....	3
B. Courses in the Major Field.....	60
At least one course from each of the following areas:	
1. American Political Institutions—POS 303, 305, 317, 318, 360, 401, 403, 411, 412, 415, 418, 419; CJ 390.....	5-25
2. International Relations—POS 320, 321, 325, 326, 329, 424, 426, 429	5-25
3. Political Theory—POS 333, 334.....	5-10
4. Comparative Government—POS 345, 346, 348, 349, 445, 447	5-25
5. Supporting Work	20
Ten hours each from two of the following areas:	
A. HIS 251 or 252 and approved 300+ elective	
B. ECO 201 and approved 300+ elective	

C. Approved electives in behavioral sciences (ANT, PSY, SOC)	
D. GEO 211, 212	
C. Professional Sequence	40
1. EDN 200; EXC 310, EDN 335, 449, 481, 482, 483	35
2. PSY 301 or EDU 302	5
D. Regents' and Exit Examinations	0
TOTAL	196

2. Public Administration PA/POS 303, 401, 403, 418; CJ 390	25
C. Courses in Related Fields	15
1. CS 301, 308	10
2. SOC 350 or MAT 220	5
D. Electives	35
E. Regents' and Exit Examinations	0
TOTAL	191

**PROGRAM FOR THE BACHELOR OF ARTS
WITH A MAJOR IN POLITICAL SCIENCE
(PUBLIC ADMINISTRATION)**

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 101, 103	10
2. One of the sequences: BIO 101, 201; BIO 111, 112; CHE 121, 122; PHS 121, 122	10
Area III	20
1. HIS 114 or 191, 115 or 192	10
2. POS 113; ECO 201	10
Area IV	30
1. CS 142, 231, 242	15
2. HIS 251 or 252; ECO 202; SOC 201	15
Area V	6
1. PE 103 or 108 and 117	3
2. Three activity courses	3
B. Courses in the Major Field	45
1. One course from each of the following	20
A. American Political Institutions—POS 305, 317, 318, 360, 411, 412, 415, 419	5
B. International Affairs—POS 320, 321, 325, 326, 329, 424, 426, 429	5
C. Political Theory—POS 333, 334	5
D. Comparative Government—POS 345, 346, 348, 349, 445, 447	5

Minor Concentrations

The Department of Government offers a number of minor concentrations.

A minor in Criminal Justice or in Political Science has great practical value. Its notation on the transcript indicates to an employer that the applicant has some solid liberal arts background with its accompanying insight into the development and functioning of modern society, and that the applicant has made an extra effort to refine research and writing skills so essential to dealing with that society. Whatever the major one chooses, such a minor will strengthen the student's academic record.

Minor concentrations are available in Economics, International Studies, Russian Studies, Public Administration, Criminal Justice, and Political Science.

Minors, in addition to grades of "C" or better in each course, require:

	Hours
International Studies	25
(assumes competency in one modern foreign language through the 103 level).	
1. POS 329 and 325 or 326	10
2. One course from: POS 320, 321, 345, 346, 348, 349	5
3. Two courses from: POS 426, 429; HIS 321, 330, 350, 355, 435	10
Political Science	20
Twenty hours of 300+ level POS courses, with at least one course from each of the four concentration areas of POS	20
Russian Studies	20
1. RUS 201 (assumes completion of RUS 101-103)	5
2. POS 349	5

3. Two courses from: HIS 329, 330, 428, 431, 435, 481; POS 440 ... (a multi-departmental minor)	10
Public Administration	25
CJ 390; PA 303, 401, 403, 418	25
Economics.....	25
1. ECO 201, 202, 203	15
2. Two courses selected from: ECO 320, 330, 340, 363, 445	10
Criminal Justice.....	25
CJ 100, 210 or 301, 303, 305, 360.....	25

Criminal Justice Offerings

CJ 100—Introduction to Criminal Justice (5-0-5)

Offered each quarter.

Prerequisite: Eligibility for ENG 101.

This survey course examines the emergence of formal institutions established within the American experience to deal with criminal behavior. The philosophical and cultural origins of the criminal justice system and current trends in criminal justice are emphasized.

CJ 103—Developing Interpersonal Communications Skills (5-0-5)

Fall.

The emphasis of this course will be placed upon the development of interpersonal communication skills, i.e. skills that can be effectively utilized on the job to improve interaction among employees and between employees and the public.

CJ 203—Criminal Law (5-0-5)

Offered on demand.

Prerequisite: Eligibility for ENG 101.

History and development of criminal law with definitions and general penalties. Special emphasis will be placed upon the Criminal Code of Georgia.

CJ 204—Criminal Investigation (5-0-5)

Offered on demand.

Prerequisite: Eligibility for ENG 101.

Introduction to investigative methodology. Special techniques employed in criminal investigation, such as crime scene searches, the use of informants, and the techniques of surveillance will be emphasized as well as the presentation of police cases in court.

CJ 210—Criminology (5-0-5)

Winter. Prerequisite: Eligibility for ENG 101.

The nature and extent of crime in the United States; assessment and evaluation of various factors and influences that lead to criminal behavior; various measures proposed for the control of criminal behavior.

CJ 250—Directed Readings in Criminal Justice (5-0-5)

Offered on demand. Prerequisite: CJ 100.

A course designed to permit each student to pursue an approved topic through independent study and research under the guidance and direction of the instructor.

CJ 280—Ethics in Criminal Justice Practice and Research (2-0-2)

Spring.

Prerequisite: CJ 100 or POS 113 or consent of the instructor.

Analysis of ethical concepts, principles, and prescriptive moral judgments in the practice and research of criminal justice.

CJ 290—Criminal Procedure (3-0-3)

Spring. Prerequisite: CJ 360 or consent of instructor.

A survey of the distinctive features of, and the basis for, American Criminal Law buttressed by an analysis of leading court decisions relative to procedural rights emanating from the Bill of Rights.

CJ 301—Juvenile Delinquency (5-0-5)

Fall. Prerequisite: CJ 100 or consent of instructor.

A survey of theories of juvenile delinquency; the sociological, biological, and psychological factors involved in juvenile delinquency and the modern trends in prevention and treatment.

CJ 302—Criminalistics (5-0-5)

Offered on demand. Prerequisite: A natural science laboratory sequence or consent of instructor.

An introduction to the problems and techniques of scientific criminal investigation. Emphasis will be placed on familiarizing the student with the role of science and technology in modern law enforcement.

CJ 303—Penology (5-0-5)

Winter. Prerequisite: CJ 100, or consent of instructor.

This course deals with the analysis and evaluation of both historical and contemporary correctional systems. This course will also deal with

the development, organization, operation and results of the different systems of corrections found in America.

CJ 304—Probation and Parole (5-0-5)

Offered on demand. Prerequisite: CJ 303 or consent of instructor.

This course will deal with the development, organization, operation and results of systems of probation and parole as substitutes for incarceration.

CJ 305—Law Enforcement Systems (5-0-5)

Spring. Prerequisite: CJ 100 or consent of instructor.

An introduction to the philosophical, cultural and historical background of the police idea. The course is conceptually oriented and will deal with concepts such as the role of the police in contemporary society, the quasi-military organization of the police, and community relations.

CJ 307—Community Based Treatment (5-0-5)

Offered on demand. Prerequisite: CJ 303 or consent of instructor.

This course will investigate the different community based treatment programs. An emphasis will be placed on investigating the function of halfway houses and the use of volunteers in corrections.

CJ 360—Law and Legal Process (5-0-5)

Fall.

Prerequisite: CJ 100 or POS 113 or consent of the instructor.

Examination of law as a dynamic societal institution. Sources and functions of both civil and criminal law, as well as operation of the legal process, are studied from the perspectives of jurisprudence, political science, and sociology. (Identical with POS 360.)

CJ 380—Law of Evidence (5-0-5)

Offered on demand. Prerequisite: CJ 360 or consent of instructor.

An intensive analysis of the rules of evidence in criminal cases. Particular subjects will include burden of proof, hearsay evidence, and the principles of exclusion and selection.

CJ 390—Research Methods (5-0-5)

Fall. Prerequisites: ENG 101 and 102 and permission of instructor.

This course deals with the methods and techniques of research in the behavioral sciences. Emphasis will be placed on learning how to evaluate research.

CJ 391—Legal Research/Law Mini-Thesis (5-0-5)

Offered on demand. Prerequisites: CJ 360, ENG 102.

Open to students of any major, this course comprises the major areas of legal research and writing; finding and using appropriate legal research tools and resources and applying these to develop and complete a scholarly legal research paper.

CJ 410—Criminality and Abnormal Behavior (5-0-5)

Prerequisite: Eligibility for ENG 101 and either CJ 100 or permission of instructor.

The course examines the interface between abnormal behavior, including mental illness, and criminality by presenting recent developments in the identification, classification, and treatment of criminals. Special emphasis is given to understanding the sometimes bizarre behavioral patterns and motivations of repeat offenders, such as child molesters, sex criminals, perpetrators of domestic violence, addicts, serial murderers and rapists.

CJ 425—Drug Enforcement: Issues and Problems (5-0-5)

Prerequisite: CJ 100. Open to seniors only or by consent of instructor.

A survey of historical and contemporary drug law enforcement in American society. Such topics as drug distribution, gangs, and government drug-enforcement agencies, policies, and techniques will be examined.

CJ 426—International Terrorism (5-0-5)

Prerequisites: POS 113 or CJ 100, or consent of instructor.

Investigation of the political, legal, and sociological aspects of international terrorism. Topics to be examined include the relationships of international terrorism, international relations, and principles of international law, the nature of the anti-terrorist response, and the implications of international terrorism for the future. (Identical with POS 426.)

CJ 440—Seminar in Criminal Justice (5-0-5)

Prerequisite: CJ 390 or equivalent; open to Seniors only or by consent of instructor.

An intensive study of selected criminal justice topics. Students will have the opportunity to conduct criminal justice research in approved areas of interest.

CJ 447—Comparative Judicial Systems (5-0-5)

Offered alternate years.

Prerequisite: CJ 305 or CJ/POS 360 or POS 415 or consent of the instructor.

Focuses on the law enforcement and judicial procedure aspects of the Japanese, French, West German, and Soviet political systems. Identical with POS 447).

CJ 450—Field Experience I (5-0-5)

Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

The purpose of this course is to broaden the educational experience of students through appropriate observation and work assignments with criminal justice agencies. The course will be organized around specific problem orientations with operational research connotations. Students will be expected to spend a minimum of five hours per week in the participating agency. Open to transient students only with permission of the school dean at Armstrong and of the college from which the student comes.

CJ 451—Field Experience II (5-0-5)

Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

This is a sequential course to CJ 450 which will permit the student to broaden further his perspectives. Open to transient students only with permission of the school dean at Armstrong and of the college from which the student comes.

CJ 452-453-454—Internship (V-V-5)

Prerequisite: Junior or senior standing and permission of the instructor.

This course is designed to provide the student with an opportunity to apply academic training in the practical governmental setting. Setting will include law enforcement agencies (local, state, or federal), community treatment facilities, courts, congressional offices, and various governmental agencies. This course will be jointly supervised by departmental instructors and agency officials. Open to transient students only with permission of the school dean at Armstrong and of the college from which the student comes. (Identical with PA/POS 452-453-454.)

CJ 490—Directed Research in Criminal Justice (5-0-5)

Offered each quarter. Prerequisite: CJ 390.

A course designed to provide qualified stu-

dents the opportunity to perform suitable and meaningful research into some area of criminal justice under the direction of the instructor. Open to transient students only with permission of the school dean at Armstrong and of the college from which the student comes.

Economics Offerings

ECO 201—Principles of Economics I (5-0-5)

Offered Fall, Winter, and Summer. Prerequisite: Eligibility for ENG 101 and MAT 101.

A survey of macro-economics, including basic economic concepts, national income, the monetary system, and the international economy.

ECO 202—Principles of Economics II (5-0-5)

Fall, spring. Prerequisite: Eligibility for ENG 101 and MAT 101; ECO 201 **not** a prerequisite.

A survey of micro-economics, including the composition and pricing of national output, government and the market economy, factor pricing and income distribution, and a comparison of market systems.

ECO 203—Principles of Accounting I (5-0-5)

Prerequisite: Eligibility for MAT 101.

An introduction to the fundamental principles and practices of accounting; the construction and interpretation of balance sheet and profit and loss statements; the theory of debits and credits and their application to the accounting process.

ECO 204—Principles of Accounting II (5-0-5)

Prerequisite: ECO 203.

The application of accounting principles to specialized problems found in proprietorships, partnerships, and corporations, with emphasis on cost accounting theory, modern methods of data processing, and the sources and applications of funds.

ECO 320—International Trade (5-0-5)

Prerequisite: ECO 201.

Examines the economic importance and problems of international trade, exchange rates and monetary standards, tariffs and other trade barriers. Attention will be focused on fixed and floating exchange rates and their effects on trade balances of states. Current debt problems of developing nations will be examined. (Identical with POS 320)

ECO 330—Economics of Finance (5-0-5)

Prerequisite: ECO 201.

The study of governmental and corporate finance, with emphasis on fiscal and monetary policy. Open-market operations, discount policy, and the functions and problems associated with central banking will be examined and analyzed.

ECO 340—Economics of Labor (5-0-5)

Prerequisite: ECO 202.

An introductory general survey of labor economics and labor relations. Organization and operation of American trade unionism, collective bargaining, economics of the labor market, wage theory and income distribution also among topics studied.

ECO 363—Economic History of the United States (5-0-5)

Offered alternate years. Prerequisite: ECO 201.

This course surveys the growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860. Developments in agriculture, industry, labor, transportation, and finance will be studied and analyzed. (Identical with HIS 363).

ECO 445—Comparative Economic Systems (5-0-5)

Prerequisite: ECO 201.

The course will constitute a survey of the basic tenets of the major economic systems developed in the 19th and 20th centuries. The role of government and politics will be examined, along with the contributions to economic and political thought of such men as Adam Smith, Karl Marx, John Maynard Keynes, and Milton Friedman. (Identical with POS 445.)

Political Science and Public Administration Offerings**POS 113—American Government (5-0-5)**

Offered each quarter. Prerequisite: Eligibility for ENG 101.

A study of the structure, theory, and functions of the national government in the United States, and some of the major problems of the state and local government.

PA/POS 303—Foundations of Public Administration (5-0-5)

Prerequisite: POS 113 or permission of instructor.

An introduction to the framework of public administration including such concepts and issues as bureaucracy, administrative power, informal groups, third party government, issue networks, budgeting, implementation, incremental decision making, personnel motivation, and the relationship of ethics and public service.

POS 305—State and Local Government (5-0-5)

Prerequisite: POS 113 or permission of instructor.

A comparative study of states, communities, and local governments, and their management of political conflict. Included is a study of federalism, differences in governmental structures and functions, political culture, community power, tax and budget systems, and public policy issues facing states and communities.

POS 317—Constitutional Law and the Federal System (5-0-5)

Prerequisite: POS 113 or permission of instructor.

A case-study approach to the judicial interpretation of the Constitution, and the powers of the federal government. Including: the nature and scope of judicial review, commerce power, separation of powers, power to tax and spend, state power to regulate, and economic due process.

POS 318—Constitutional Civil Liberties (5-0-5)

Prerequisite: POS 113 or permission of instructor.

A case study approach to the judicial interpretation of individual rights and the Constitution. Including: nationalization of the Bill of Rights, criminal due process, freedom of expression, association, religion and privacy, and equal protection and due process.

POS 320—International Trade (5-0-5)

Prerequisite: ECO 201

Examines the economic importance and problems of international trade, exchange rates and monetary standards, tariffs and other trade barriers. Attention will be focused on fixed and floating exchange rates and their effects on trade balances of states. Current debt problems of developing nations will be examined. (Identical with ECO 320.)

POS 321—International Relations: The Far East (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

Contemporary international politics in the Far East are examined in terms of such broad historical trends as the decline of imperialism, the development of nationalism, and the rise of the U.S., U.S.S.R., People's Republic of China, and Japan as major powers in Asia.

Some attention will be given to contemporary key issues such as the Sino-Soviet conflict, the future of Formosa, U.S.-Japan Mutual Security Treaty revision, and U.S.-Japan economic interaction.

POS 325—International Organization. (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

A survey of the development, principles, structures and functions of international organizations, with emphasis upon the role of these institutions in the maintenance of peace.

POS 326—International Law (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

POS 329—International Relations (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

An introduction to the theories, forces, and practices dominating contemporary international relations.

POS 333—Contemporary Political Thought (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

Analysis of the important ideological currents of our time with selected indepth readings from original sources.

POS 334—Political Philosophy (5-0-5)

Prerequisite: POS 113 or permission of instructor.

Examination of the political ideas of leading political theorists, beginning with Socrates and extending to the end of the 19th Century. Selected primary source material will be read and analyzed.

POS 345—Latin American Politics (5-0-5)

Prerequisite: POS 113 or permission of instructor.

Examination of governments and political processes of selected nations in South America, Central America, and the Caribbean. Roles of state terrorism, revolutionary movements, and narcoterrorism are examined.

POS 346—Governments of East Asia (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

A comparative examination of the contemporary political institutions, processes, and ideas of the People's Republic of China, Japan, and Korea. Examines the development of these political systems with particular emphasis on historical, social, cultural, and contemporary-issue dimensions.

POS 348—Governments of Western Europe (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

An analytical and comparative study of the major Western European governments, with principal emphasis upon the analysis of the conditions which led to effective and stable parliamentary government and those which lead to the inefficiency, instability and breakdown of such systems.

POS 349—Government of the Soviet Union (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

The primary purpose of this course is to focus on the study of contemporary Soviet politics along developmental scheme. Comparison of the pre-modern Tsarist autocratic regime and the contemporary Soviet totalitarian regime will be attempted. Also the course will cover such topics as Soviet political culture, political socialization process of the mass, governmental processes, and the public policy making/implementation aspects.

POS 360—Law and Legal Process (5-0-5)

Fall. Prerequisite: CJ 100 or POS 113 or permission of instructor.

Examination of law as a dynamic societal institution. Sources and functions of both civil and criminal law, as well as operation of the legal process, are studied from the perspectives of jurisprudence, political science, and sociology. (Identical with CJ 360).

POS 400—Seminar in Political Science (5-0-5)

Offered on demand. Admission will be subject to approval of the instructor. Offered on demand. Designed to permit superior students to pursue research and reading in some field of political science under the supervision of the staff.

PA/POS 401—Politics of the Budgetary Process (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

This course examines the procedures, strategies and rationales involved in making public budgets at the local, state, and national levels. It is also concerned with critiques of the several types of budgets now in use together with an explanation of fiscal and monetary policies as they affect budgeting. Finally, it is concerned with the revenue systems in effect together with auditing and other controls exercised in the budgeting process.

PA/POS 403—Public Policy Development (5-0-5)

Offered alternate years. Prerequisite: POS 303 or permission of the instructor.

This course is primarily concerned with a study of the theoretical aspects of decision-making theories (i.e., rational/comprehensive model vs. incremental model), political aspects of policy-making process, mobilization of political support, and the cost/benefit aspects of the public policy-making.

Some attempt will be made to apply the general theory of public policy-making to specific settings of welfare policy, urban problems, and national defense/foreign policy.

POS 410—Independent Study in American Government (V-V-(1-5))

Offered on demand. Prerequisite: A minimum of 120 credit hours, including at least 20 hours in Political Science at the 300-level or above. Admission is by approval of a departmental committee.

Designed to permit superior students to pursue individual research and reading in some field of political science under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only to students with a B average (3.0) in Political Science and at least a 2.5 GPA overall. Applications must be filed with the Department by

mid-quarter preceding the quarter independent study is contemplated.

Open to transient students only with permission of the school dean at Armstrong and the college from which the student comes.

POS 411—American Presidency (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

Offers an in-depth look at the office of the presidency, with the principal emphasis on the relations of the executive branch with the Congress and the court system. Some attention will be given to the evolution of the presidency to its present dominant position in the American political process. (Completion of a survey course in American History is desirable).

POS 412—American Political Parties (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

Operation of political parties in the political system. Relationship between party organization, electoral system, and the recruitment and advancement of political leaders.

POS 415—American Supreme Court (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

An analysis of the structure and functions of the Court, including examination of the role of the Court as policy maker.

PA/POS 418—Administrative Law (5-0-5)

Offered alternate years. Prerequisite: POS 113 or permission of instructor.

This course explores the framework of law governing administrative agencies including administrative power and its control by the courts, the determination and enforcement of administrative programs, discretion of administrative officials and their powers of summary actions, hearings before administrative boards and the respective spheres of administrative and judicial responsibility.

Some attention will be given to the problem of the maintenance of traditional procedural safeguards in administrative law and the problem of civil rights and relation to administrative boards. Leading cases will be examined.

POS 419—American Congress (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

An analysis of the structure and functions of Congress, including a discussion of the theo-

etical framework for representative government, and Congress' role as policymaker.

POS 420—Independent Study in International Relations (V-V-(1-5))

Offered on demand. Prerequisite: A minimum of 120 credit hours, including at least 20 hours in Political Science at the 300-level or above. Admission is by approval of a departmental committee.

Designed to permit superior students to pursue individual research and reading in some field of international relations under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only to students with a B average (3.0) in Political Science and at least a 2.5 GPA overall. Applications must be filed with the Department by mid-quarter preceding the quarter independent study is contemplated.

Open to transient students only with permission of the school dean at Armstrong and the college from which the student comes.

POS 424—Seminar on the Sino-Soviet Power Rivalries (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

Critical assessment of the early Sino-Soviet relations before and after the 1917 Bolshevik Revolution, followed by analysis of the roots of the Sino-Soviet conflicts in territorial, economic, strategic, political, and ideological perspectives. The implication of this schism for the contemporary global security relations will be critically examined. Heavy emphasis on research and oral presentation by the student.

POS 426—International Terrorism (5-0-5)

Prerequisites: POS 113 or CJ 100, or consent of instructor.

Investigation of the political, legal and sociological aspects of international terrorism. Topics to be examined include the relationships of international terrorism, international relations, and principles of international law, the nature of the anti-terrorist response, and the implications of international terrorism for the future. (Identical with CJ 426.)

POS 429—American Foreign Policy (5-0-5)

Offered on demand. Prerequisite: POS 113 or permission of instructor.

An analysis of U.S. foreign policy and factors, both domestic and foreign, contributing to its formulation.

POS 430—Independent Study in Political Theory (V-V-(1-5))

Offered on demand. Prerequisite: A minimum of 120 credit hours, including at least 20 hours in Political Science at the 300-level or above. Admission is by approval of a departmental committee.

Designed to permit superior students to pursue individual research and reading in some field of political theory under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only to students with a B average (3.0) in Political Science and at least a 2.5 GPA overall. Applications must be filed with the Department by mid-quarter preceding the quarter independent study is contemplated.

Open to transient students only with permission of the school dean at Armstrong and the college from which the student comes.

POS 440—Independent Study in Comparative Government (V-V-(1-5))

Offered on demand. Prerequisite: A minimum of 120 credit hours, including at least 20 hours in Political Science at the 300-level or above. Admission is by approval of a departmental committee.

Designed to permit superior students to pursue individual research and reading in some field of comparative government under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only to students with a B average (3.0) in Political Science and at least a 2.5 GPA overall. Applications must be filed with the Department by mid-quarter preceding the quarter independent study is contemplated.

Open to transient students only with permission of the school dean at Armstrong and the college from which the student comes.

POS 445—Comparative Economic Systems (5-0-5)

Offered alternate years. Prerequisite: ECO 201.

The course will constitute a survey of the basic tenets of the major economic systems developed in the 19th and 20th centuries. The role of government and politics will be examined, along with the contributions to economic and political thought of such men as Adam Smith, Karl Marx, John Maynard Keynes, and Milton Friedman. (Identical with ECO 445.)

POS 447—Comparative Judicial Systems (5-0-5)

Offered alternate years.
Prerequisite: CJ 305 or CJ/POS 360 or POS 415 or consent of instructor.
Designed to focus on the law enforcement and judicial procedure aspects of the Japanese, French, West German, and Soviet political systems. (Identical with CJ 447.)

PA/POS 452-453-454—Internship (V-V-5)

Offered each quarter under each heading.
Prerequisite: Junior or senior standing and permission of instructor.
This course is designed to provide the student with an opportunity to apply academic training in the practical governmental setting. Settings will include law enforcement agencies (local, state, or federal), community treatment facilities, courts, congressional offices, and various governmental agencies. This course will be jointly supervised by departmental instructors and agency officials. Open to transient students only with permission of the school dean at Armstrong and of the college from which the student comes. (Identical with CJ 452-453-454.)

Graduate Program and Courses

Coordinator: Dr. Dennis Murphy

General Information

The Department of Government offers graduate courses and an M.S. program in Criminal Justice and graduate courses in political science and public administration studies applicable to graduate programs in other disciplines.

Objectives of Criminal Justice Program

The Department of Government offers a program of study leading to the degree Master of Science in Criminal justice. The objectives of the program are:

1. To provide graduate-level education for professional criminal justice policy-makers and policy-makers in related fields in order to stimulate professionalization within the criminal justice system.
2. To produce scholars prepared to meet the challenges of the future in research and teaching.

Advisement

Shortly after admission each student will be assigned an advisor. The student should meet with the advisor as soon as possible after admission to establish an approved program of study. The student is responsible for his or her compliance with all program requirements.

Transfer of Courses

Students should note carefully the general section on transfer of Graduate Credits appearing in the Academic Regulations of this Catalog. The Criminal Justice Program will normally accept two courses (10 quarter hours, 6 semester hours) for transfer credit.

Degree Requirements

The degree MS in Criminal Justice requires the completion of 60 quarter hours of approved coursework. The student will have the option of either writing a thesis or doing a field practicum as part of the program of study.

Comprehensive Examination

Each non-thesis candidate for the degree M.S. in Criminal Justice must pass a written comprehensive examination. An oral examination may also be scheduled. For specific information on the written and oral comprehensive examinations, students should contact their advisor.

PROGRAM FOR THE DEGREE OF MASTER OF SCIENCE (IN CRIMINAL JUSTICE)

	Hours
A. Required Courses	2
CJ 700, 701, 703, 705 and 716	
B. Required Options	1
Either CJ 790 and 791, or CJ 795	
C. Electives from the following	2
(Not more than two courses outside of CJ. Dual-listed courses, e.g., POS 415 and POS 615, American Supreme Court, can be used as credit towards the degree only if the same courses were not taken at the undergraduate level).	
CJ 702, 704, 706, 709, 710, 712, 721, 722, 723, or 724.	
PA/POS 601, 603, 618 or 704	
POS 615, 619, 626 or 705	
TOTAL	5

Criminal Justice Offerings

J 501—Juvenile Delinquency (5-0-5)

(See CJ 301 for course description.)

J 560—Law and Legal Process (5-0-5)

(See CJ 360 for course description. Identical with POS 560.)

J 610—Criminality and Abnormal Behavior (5-0-5)

(See CJ 410 for course description.)

J 625—Drug Enforcement: Issues and Problems (5-0-5)

(See CJ 425 for course description.)

J 626—International Terrorism (5-0-5)

(See CJ 426 for course description. Identical with POS 626.)

J 647—Comparative Judicial Systems (5-0-5)

(See CJ 447 for course description. Identical with POS 647.)

J 700—Seminar in Justice Administration (5-0-5)

An analysis of the criminal justice process from prevention and arrest to release after incarceration. The philosophies, practices, and procedures of agencies responsible for the administration of justice are viewed and analyzed.

J 701—Advanced Research Methods in Criminal Justice (5-0-5)

Application of advanced research methods to problems in the criminal justice system.

J 702—Criminal Justice Planning and Innovation (5-0-5)

Introduction to planning techniques and their impact on criminal justice program development. Policy and decision-making procedures pertaining to affiliated agencies and organizations are analyzed. Planning involves identification of problem areas, diagnosing causation, formulating solutions, alternative strategies, and mobilizing resources needed to effect change.

J 703—Seminar in Crime Causation (5-0-5)

Concentration with the individual offender is on the relationship of motives, attitudes, and abilities to participate in criminal activity. With groups, consideration is given to peer influences in the shaping and reinforcement of criminal conduct.

CJ 704—Law and Social Control (5-0-5)

Investigation of jurisprudential paradigms, societal norms and sanctions, and the operational interaction among them. Topics to be examined include criminal and civil control mechanisms and purposes, historical and philosophical perspectives on power, authority and law in society, and alternative means of social control.

CJ 705—Administration and Management for Criminal Justice (5-0-5)

New management and administrative requirements of the criminal justice complex in transition. Problems and innovative concepts of criminal justice system development, decision theory, information needs, planning and new managerial perspectives.

CJ 706—Juvenile Justice Administration (5-0-5)

Assessment of the policies and practices of agencies involved in processing young persons through the juvenile court system. Attention will be paid to the intake procedures of the juvenile court; the adjudicational and dispositional procedures of the juvenile court.

CJ 709—Police Problems and Practices (5-0-5)

Major current issues of police administration including theory in policing, police productivity, and policy making. Special attention will be afforded police-society relationships as they relate to police misconduct, labor union issues, and minorities.

CJ 710—Institutional Incarceration and Treatment (5-0-5)

Theory, purposes, and practices of correctional institutions. Problems in control and treatment will be explored.

CJ 712—Seminar in Community Treatment and Services (5-0-5)

An analysis of probation and other alternatives to incarceration in the community setting, and of the feasibility and effectiveness of treatment of individuals under sentence in the community.

CJ 716—Criminal Process (5-0-5)

Intensive examination of criminal adjudication, from initial appearance through post-conviction appeals and collateral attacks, as posited in the context of criminal justice policy.

CJ 721—ADP Applications in Criminal Justice (5-0-5)

An examination of the use of automated data processing by criminal justice agencies for ad-

ministrative and operational purposes. Special attention will be developed to microprocessor applications.

CJ 722—Selected Topics in Law and Courts (5-0-5)

Contemporary problems and issues regarding court management and the criminal judicial process will provide the basis for topic selection.

CJ 723—Selected Topics in Policing (5-0-5)

Contemporary problems and issues regarding the law enforcement and policing function will provide the basis for topic selection.

CJ 724—Selected Topics in Corrections (5-0-5)

Contemporary problems and issues regarding correctional strategies and management will provide the basis for topic selection.

CJ 790 & 791—Field Practicum (2-V-(1-5))

Planned program of research observation, study and work in selected criminal justice agencies.

CJ 795—Thesis (0-V-(1-10))

Planned research and writing directed by the student's Thesis Committee.

Political Science and Public Administration Offerings

POS 505—State and Local Government (5-0-5)

(See POS 305 for course description.)

POS 520—International Trade (5-0-5)

(See POS 320 for course description.
Identical with ECO 520.)

POS 521—International Relations: The Far East (5-0-5)

(See POS 321 for course description.)

POS 533—Contemporary Political Thought (5-0-5)

Spring.
(See POS 333 for course description.)

POS 545—Latin American Politics (5-0-5)

(See POS 345 for course description.)

POS 546—Governments of East Asia

(See POS 346 for course description.)

POS 560—Law and Legal Process (5-0-5)

(See POS 360 for course description.
Identical with CJ 560.)

POS 590—Research Methods (5-0-5)

This course deals with the methods and techniques of research in the behavioral sciences. Emphasis will be placed on how to evaluate research.

PA/POS 601—The Politics of the Budgetary Process (5-0-5)

(See PA/POS 401 for course description.)

PA/POS 603—Public Policy Development (5-0-5)

(See PA/POS 403 for course description.)

POS 611—American Presidency (5-0-5)

(See POS 411 for course description.)

POS 612—American Political Parties (5-0-5)

(See POS 412 for course description.)

POS 615—American Supreme Court (5-0-5)

(See POS 415 for course description.)

PA/POS 618—Administrative Law (5-0-5)

(See PA/POS 418 for course description.)

POS 619—American Congress (5-0-5)

(See POS 419 for course description.)

POS 624—Seminar on the Sino-Soviet Power Rivalries (5-0-5)

(See POS 424 for course description.)

POS 626—International Terrorism (5-0-5)

(See POS 426 for course description. Identical with CJ 626.)

POS 629—American Foreign Policy (5-0-5)

(See POS 429 for course description.)

POS 645—Comparative Economic Systems (5-0-5)

Prerequisite: Permission of instructor.
(See POS 445 for course description. Identical with ECO 645.)

POS 647—Comparative Judicial Systems (5-0-5)

(See POS 447 for course description. Identical with CJ 647.)

PA/POS 704—Topics in Public Administration (5-0-5)

Prerequisite: Permission of instructor.
Designed to probe the chief concepts, theories, ideas, and models in Public Administration.

POS 705—Topics in State and Local Government (5-0-5)

Prerequisite: Permission of instructor.

POS 710—Topics in American Government (5-0-5)

Prerequisite: Permission of instructor.

OS 720—Topics in International Relations i-0-5)

Prerequisite: Permission of the instructor.

A seminar course with specific titles announced as offered. May be repeated for credit as topics vary.

OS 721—Topics in Modern East Asia

i-0-5)

Prerequisite: Permission of instructor.

Selected topics in nineteenth and twentieth century international, political, economic, social, intellectual, or contemporary developments in East Asia. May be repeated as topics and instructors vary. (Identical with HIS 721.)

OS 730—Reading in Political Theory

i-0-5)

Prerequisite: Permission of instructor.

OS 790-791—Independent Study (V-V-5)

Offered to qualified students subject to the following conditions. Prerequisites: A minimum 25 graduate hours, including at least 15 hours Political Science graduate courses. An application may be obtained in the departmental office and should be submitted to the department by the mid-term preceding the quarter in which the independent study will begin. Open to students with 3.5 GPA in Political Science graduate courses and at least 3.3 overall GPA. Admission is by approval of a departmental committee.

Economics Offerings

CO 520—International Trade (5-0-5)

Prerequisite: permission of instructor.
(See ECO 320 for course description.
Identical with POS 520.)

CO 530—Economics of Finance (5-0-5)

Prerequisite: permission of instructor.
(See ECO 330 for course description.)

CO 540—Economics of Labor (5-0-5)

Prerequisite: permission of instructor.
(See ECO 340 for course description.)

CO 563—Economic History of the United States (5-0-5)

Prerequisite: permission of instructor.
(See ECO 363 for course description.)

CO 645—Comparative Economic Systems

i-0-5)

Prerequisite: permission of instructor.
(See ECO 445 for course description. Identical with POS 645.)

History

Faculty

- *Warlick, Roger, Department Head
- *Arens, Olavi
- *Babits, Lawrence
- Brown, Sarah
- Burnett, Robert
- Comaskey, Bernard
- *Duncan, John
- *Gross, Jimmie
- Lanier, Osmos
- Patterson, Robert
- *Pruden, George
- *Stone, Janet
- *Graduate Faculty

The History Major

The major in history may take either of two forms: History *per se* or History with T-4 Certification.

Students who major in history should expect to enroll in a foreign language sequence during their Sophomore year, certainly not later than their Junior year. Therefore, students should plan their programs of study with careful consultation with a Faculty Advisor. Students who change majors, or who transfer, may find it necessary to enroll beyond the traditional 12 quarters, if the degree requirements including the foreign language cannot be fulfilled within that time.

Students enrolled in the evening program should not expect to be exempted from the foreign language requirement, unless for a three-year period prior to graduation no available foreign language sequence is offered in the evening.

In addition to meeting minimum requirements for either program, students contemplating graduate work in history are strongly advised to continue their linguistic study beyond the language sequence 103 level. Students with a double major, where Computer Science is a language choice, may substitute Computer Science for the foreign language requirement in history.

Advanced coursework in History for either form of the major requires HIS 300 and HIS 495 or 496. In selecting the remainder of their advanced courses students may choose to concentrate in one particular area of History (e.g.

European or American), providing they diversify to the extent of completing at least ten hours outside that area.

Honors in History

Honors in History will be awarded to those History majors with a 3.5 GPA in all History courses who submit an acceptable honors research paper to the department. The paper may, but does not have to be prepared in conjunction with a course that the student has taken. The paper should be the student's own work, based on research in primary sources, and be complete with end notes, bibliography and other critical apparatus. It should be typewritten and follow Turabian's guide. The paper must be submitted during the last quarter the student is in attendance before graduation and must be submitted by mid-term of that quarter. The paper will be judged by a departmental jury of four faculty members who will by a majority vote determine if honors should be awarded. The awarding of honors will be noted on the student's transcript.

Scholarships in History.

Limited scholarship aid is available annually. Interested students are invited to inquire in the department office for details.

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN HISTORY

	Hours
A. General Requirements*	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
1. MAT 101 and 103, 195, 220 or 290	10
2. One of the sequences: BIO 101, 102; BIO 121, 122; CHE 121, 122; PHY 121, 122; PHS 121, 122	10
Area III	20
1. HIS 114 or 191, 115 or 192, POS 113	15
2. One course from: ANT 201; ECO 201; SOC 201; PSY 101...	5

Area IV	30
1. Foreign language 101, 102, 103	15
2. History 251, 252, or 292	10
3. Related course	5
Area V	6
1. PE 103 or 108 and 117 or 166	3
2. Three activity courses	3
B. Courses in the Major Field	40
1. HIS 300 and 495 or 496	10
2. History courses 300 level or above with at least 10 hours outside the area of concentration..	30
The concentration areas are:	
A. U.S. History—HIS 351, 352, 354, 355, 357, 361, 363, 365, 371, 374, 375, 376, 377, 379, 400, 403, 416, 417, 421, 422, 451, 470, 471, 485, 486, 496	
B. European History—HIS 333, 336, 340, 341, 342, 343, 344, 345, 346, 347, 348, 350, 410, 411, 445, 447, 483, 484, 495.	
C. Russian-Asian-African-Latin American History—HIS 310, 312, 320, 321, 322, 323, 329, 330, 428, 431, 435, 481, 482	
C. Courses in Related Fields	20
To be chosen from such fields as anthropology, economics, literature, sociology, statistics.	
See Department for exhaustive list	
D. Electives	3
E. Regents' and Exit Examinations	
TOTAL	19

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN HISTORY (with teacher certification)

	Hour
A. General Requirements	9
Area I	2
1. ENG 101, 102 or 192, 201 or 292	1
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	
Area II	2
1. MAT 101, 220	1
2. Laboratory science sequence..	1

Area III	20
1. HIS 114 or 191, 115 or 192; POS 113	15
2. PSY 101	5
Area IV	30
1. HIS 251, 252, or 292	5
2. Foreign language 101, 102, 103	15
3. One course from: ANT 201, ECO 201, SOC 201	5
4. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	5
Area V	6
1. PE 103 or 108 and 117 or 166 ..	3
2. Three activity courses	3
Courses in the Major and Supporting Fields	60
1. HIS 300 and 495 or 496	10
2. U.S. History	
A. HIS 371 or 377 (dependent on HIS 251, 252 selection) ..	5
B. One or two courses from: HIS 351, 352, 354, 355, 361, 363, 365, 374, 375, 376, 379, 400, 403, 416, 417, 421, 422, 451, 471, 485, 486, 496	5-10
3. Russian-Asian-African-Latin American History	
Two courses from: HIS 310, 312, 320, 321, 322, 323, 329, 330, 428, 431, 435, 481, 482 ..	10
4. European History	
Two or three courses from: HIS 333, 336, 340, 341, 342, 343, 344, 345, 346, 347, 348, 350, 410, 411, 445, 447, 483, 484, 495	10-15
5. Supporting Work	20
Ten hours each from two of the following areas:	
A. Approved 300-400 level POS electives	
B. ECO 201 and approved 300+ elective	
C. Approved electives in behavioral sciences (SOC, ANT, PSY)	
D. GEO 211, 212 and approved GEO elective	
Professional sequence	40
1. EDN 200, EXC 310, EDN 335, 449, 481, 482, 483	35
2. PSY 301 or EDN 302	5
Regents' and Exit Examinations	0
TOTAL	196

Minor Concentrations

The Department of History offers a number of minor concentrations.

A minor in History has great practical value. Its notation on the transcript indicates to an employer that the applicant has some solid liberal arts background with its accompanying insight into the development and functioning of modern society, and that the applicant has made an extra effort to refine research and writing skills so essential to dealing with that society. Whatever the major one chooses, such a minor will strengthen the student's academic record.

Students who hope to work in history-related fields upon graduation should consider adding a minor in Preservation Studies, or in Historical Archaeology. Through has program unique opportunities are provided for qualified students to gain practical experience while making a realistic assessment of the possibilities offered by their field of interest. Cooperative arrangements with Historic Savannah Foundation, Georgia Historical Society, Savannah Landmark Project, Oatland Island Center, and with a number of museums and historical sites, such as Telfair Academy, Ft. Pulaski, Juliette Low Center, and Ft. King George, permit placement of students in positions relating to:

(a) archival and manuscript curation, (b) historic site administration and interpretation, (c) museum studies, (d) historic preservation, and (e) historical archaeology.

Additional minor concentrations are offered jointly with the Department of Government in International Studies and Russian Studies.

Minors, in addition to grades of "C" or better in each course, require the following:

	Hours
History	20
1. Twenty hours of 300+ level HIS courses	20
Historical Archaeology	25
1. MPS/ANT 401, 402, and 422	
2. Ten hours from the following: HIS 300, 341, 361, 371, and 403	
International Studies	25
(assumes competency in one modern foreign language through the 103 level*)	
1. POS 329 and 325 or 326	10
2. One course from: POS 320, 346, 348, 349	5
3. Two courses from: POS 429; HIS 321, 330, 350, 355, 435	10

Preservation Studies	25
1. HIS 300	5
2. MPS 412, 420 and 421 or 422	15
3. MPS 401 or 498	5
Russian Studies	20
1. RUS 201 (assumes completion of RUS 101-103*)	5
2. POS 349	5
3. Two courses from: HIS 329, 330, 428, 431, 435, 481; POS 440 ...	10

Geography Offerings

GEO 211—Physical Geography (5-0-5)

Winter.

Course will include such topics as earth-sun relationships, cartography, weather, climate and climate classification, soils, bio-geography, vegetation and landforms. Emphasis will be on global patterns of distribution.

GEO 212—Cultural Geography (5-0-5)

Spring.

Course will include such topics as the concept of culture, population settlement, patterns, technological origins and diffusions, types of economics and the relationship of man to his environment. Emphasis will be given to the process of cultural change through time in place.

GEO 302—Introduction to Geology (5-0-5)

Prerequisite: GEO 211 plus 10 hours of a lab science.

An introduction to physical and historical geology. A study of the origin, evolution, and structure of the earth's crust, and geologic history. (Identical with GEL 301).

GEO 303—Introduction to Meteorology (5-0-5)

Prerequisite: GEO 211 plus 10 hours of a lab science.

An introduction to the description of the state of the atmosphere and to the physical laws that describe atmospheric phenomena. (Identical with MET 301).

GEO 310—Man and the Environment (5-0-5)

Prerequisite: GEO 211 or 212 plus 75 quarter hours credit in college courses.

Considerations of the interactions between humans and the support systems of the earth which are essential to their existence (identical with BIO 310.)

History Offerings

Advanced courses in History are generally open to all students who have completed the appropriate survey. Specifically, the Department considers background equivalent to HIS 114 and HIS 115, or permission of the instructor to be the prerequisite for all advanced courses on European, Russian, Asian, African, and Latin American topics. For advanced courses in American history, the equivalent of HIS 251 or HIS 252, or permission of the instructor, is considered prerequisite. Exceptions are noted on specific courses.

General

HIS 114—Civilization I (5-0-5)

Offered each quarter. Prerequisite: Eligibility for college credit English, i.e. English 101 or above.

A survey of the main currents of political, social, religious, and intellectual activity from the time of the ancient Middle-Eastern civilization to 1715. Throughout the course the major civilized traditions are considered and comparative methods used to facilitate interpretations of them.

HIS 115—Civilization II (5-0-5)

Offered each quarter. Prerequisite: Eligibility for college credit English, i.e. English 101 or above.

A survey of the main currents of political, social, religious, and intellectual activity from 1715 to the present. Throughout the course the major civilized traditions are considered and comparative methods used to facilitate interpretation of them. A continuation of HIS 114.

HIS 191—Honors Civilization I (5-0-5)

Prerequisites: B's or better in High School History and an SAT verbal score of at least 550.

This course replaces HIS 114 for selected students. While the subject matter will be the same as for HIS 114, the treatment of it will vary greatly. Likewise, instruction will go beyond the usual lecture method, allowing students to read widely and carry out their own research under the direction of the professor.

HIS 192—Honors Civilization II (5-0-5)

Prerequisite: HIS 191 or a grade of "A" in HIS 114.

This course replaces HIS 115 for selected students. While the subject matter will be the same as for HIS 115, the treatment of it will vary greatly. Likewise, instruction will go beyond the usual

ture method, allowing students to read widely and carry out their own research under the direction of the professor.

HIS 300—Historical Method (3-4-5)

Fall and Spring (evening). Required of all History majors and of Preservation Studies minors. An introduction to the nature and method of historical research, treating problems of investigation, organization, and writing through discussion and actual research experience in local history.

HIS 395—Internship (V-V-(1-5))

Open to transient students only with permission of the Dean of Faculty at Armstrong and college from which the student comes. Prerequisites: 3.0 in all history courses; 20 hours of upper level history including HIS 300.

Application and credit arrangements must be made through the department in advance, normally by mid-quarter preceding the quarter of internship.

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under the direct supervision of the sponsoring agency and a faculty advisor. May be repeated for credit. This internship, graded on an S or U basis, may be credited among electives, not as a part of the minimum 40 hours of traditional work required for the major.

HIS 399—Fieldwork in History

(V-[1-5]) Summer, 1989.

Offered only by special arrangement with the department, made in advance, this course is designed to provide credit for field-trip based courses or extended site visits, whether abroad or in the U.S. Research, reading, and written assignments will be tailored to the specific nature of each study tour or site visitation. (Specific area of study will be indicated on the transcript.) This course may be repeated for credit as topics vary, but no more than five hours may be counted among the 40 hours required for a major in History.

United States History Offerings

HIS 251—American History to 1865

(5-0-5)

Offered each quarter. Prerequisite: Eligibility for ENG 101.

A survey of the political, economic, and social history of the United States to end of the Civil War.

HIS 252—American Since 1865 (5-0-5)

Offered each quarter. Prerequisite: Eligibility for ENG 101.

A survey of the political, economic, and social history of the United States from 1865 to the present.

HIS 292—Honors American History (5-0-5)

Prerequisites: Completion of HIS 115 or HIS 192 with a grade of A, or recommendation by the professor.

Organized on a thematic or problematic basis so as to encompass the scope of American history. Students will be expected to read more extensively and write more critically than for HIS 251 or 252. This course meets the requirement in American history set by the State of Georgia. For History majors, this course satisfies 5 hours of the American history survey requirement (HIS 251 and 252); 5 additional hours of advanced American history are required to complete it.

HIS 351—Popular Culture in the United States to 1914 (5-0-5)

Fall, 1990.

An examination of the major trends in the news media, popular literature, entertainment, and recreational activities to 1914.

HIS 352—Popular Culture in the United States Since 1914 (5-0-5)

Winter, 1991.

An examination of the major trends in news media, popular literature, entertainment, and recreational activities since 1914.

HIS 354—Studies in American Diplomacy to WW I (5-0-5)

Fall, 1990.

Considers American objectives and policies in foreign affairs from colonial times to World War I.

HIS 355—Studies in American Diplomacy since WW I (5-0-5)

Winter, 1991.

Considers American objectives and policies in foreign affairs from World War I to the present.

HIS 357—American Military History (5-0-5)

Spring. Prerequisite: Sophomore standing

A study of the history of warfare and military technique in their social, economic, and political

contexts, with special emphasis on the American military tradition.

HIS 361—The Old South (5-0-5)

Economic, cultural, and political history of the antebellum South with emphasis on those factors that made the South a unique section of the nation.

HIS 363—Economic History of the United States (5-0-5)

Prerequisite: ECO 201.

This course surveys the growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860. Developments in agriculture, industry, labor, transportation, and finance will be studied and analyzed. (Identical with ECO 363.)

HIS 365—The American Indian (5-0-5)

Winter, 1990.

A study of the history and cultures of the aborigines of the Americas.

HIS 371—Colonial and Revolutionary America (5-0-5)

Winter, 1990.

A study of the discoveries of the New World and the settlement and growth of the English colonies of North America; triumph over France in the New World, the drastic change in British colonial policy and the rise of American opposition to it, the achievement of independence, and the establishment of the United States under the Constitution.

HIS 374—Women in American History (5-0-5)

Women in American History: An examination of the changing political, social, and economic roles of the American woman from colonial times to the present. Emphasis will be given to the pre-Civil War feminist reform movements, woman's broader social and economic role after the war, her awakening awareness of the need for political power, and the mid-20th century revolution.

HIS 375—Civil War and Reconstruction (5-0-5)

The causes and significance of the American Civil War, with minor consideration of the military campaign; political, economic and social aspects of reconstruction.

HIS 376—Victorian America (5-0-5)

Winter, 1991.

Presentation of the major subjects of the late 19th century, including the emergence of a na-

tional economy, its theory and policies; parties and reform politics; the moral and Constitutional dimensions of Reconstruction; American society and social thought; and territorial aggrandizement.

HIS 377—Recent America (5-0-5)

Spring, 1991.

An analysis of the institutions and forces which molded American life from the late 19th century (1890) through World War II, including political, economic, social and intellectual issues.

HIS 379—Contemporary America (5-0-5)

Spring, 1990.

An examination of the society of the United States since World War II, with special emphasis given to the major social and cultural trends.

HIS 400—Seminar in American History (5-0-5)

Permission of instructor required for admission.

Designed to permit a group of advanced students to pursue intensive research on a specific topic in the field to be defined by the instructor.

HIS 403—American Material Cultural (4-2-5)

Winter, 1990.

An introduction to the study of the non-literary remains of our society, past and present. Vernacular and polite architecture, ceramics, material art, community and settlement patterns, dress, diet, and diseases are among the topics that will be discussed. (Identical with AC 403, MPS 403 and ANT 403).

HIS 421—Architectural History (4-2-5)

Spring, 1991.

A study of various styles of American architecture, Georgian, Federal, Neoclassical, Eclecticism and modern; slides from Historic American Building Survey; landscape architecture. Visiting speakers and field trips will be used.

HIS 422—Historical Archaeology (5-0-5)

Fall, 1989. Prerequisite: MPS 207, or permission of the instructor.

An introduction to the archaeology of North America since the arrival of European man in the New World. Some attention will be paid to British and Continental Post medieval Archaeology as well as to the special areas of Industrial and Nautical Archaeology. Special stress will be given to archaeological method and theory as perspective for the writing of history and as a component of Historic Preservation. (Identical with MPS 422.)

HIS 451—Reform Movements in American History (5-0-5)

Spring, 1991.

A study of the reform movements in America since the Revolution.

HIS 470—History of Savannah (5-0-5)

Winter, 1991.

Begins with a history of local Indians, emphasis on the founding of the colony at Savannah and on the colonial, Revolutionary, antebellum and Post-Civil War periods. Political, economic, social, religious and artistic trends are discussed and placed in context of Georgia and U.S. history.

The course will involve considerable research. Primary sources available locally.

HIS 471—Seminar in Georgia and Local History (5-0-5)

Fall, 1989. Prerequisite: HIS 470 or permission of the instructor.

An exposition of the principles and techniques of local history followed by an intensive investigation of selected aspects of the history of Savannah and Georgia using primary sources and culminating in a research paper.

HIS 485-486—Independent Study in United States History (V-V-(1-5))

Available each quarter. Prerequisites: HIS 300 and at least 15 additional hours in upper division history courses (with a minimum GPA of 3.0), an overall GPA of 2.5 (after completion of 120 hours), and an approved application. Open to assistant students only with the permission of the Dean of Faculty of Armstrong and the college from which the student comes.

Designed to permit superior students to pursue individual research and reading in the chosen field under the supervision of a member of the History faculty. An application must be filed with the department, in advance, normally by mid-quarter preceding the independent study.

A full description of the requirements and an application may be obtained in the departmental office.

HIS 496—American Historiography (5-0-5)

Winter, 1990 (evening).

See major program outlines, part B.1, for the historiography requirement.

A study of the writing of American history from colonial times to the present with emphasis on the historical philosophies and interpretations of the major schools of thoughts as well as indi-

vidual historians. Recommended especially to students contemplating graduate work in History.

European History Offerings

HIS 333—Modern Germany, 1789-1933 (5-0-5)

A study of Germany from the pluralism of the Holy Roman Empire through the German confederation to the unified Reich. Attention will be given to the political, social, and cultural developments in Austria, Prussia, and the "Third Germany."

HIS 336—Modern East Central Europe (5-0-5)

Spring, 1990.

A survey of the history of the nations between Germany and Russia in the 19th and 20th centuries. Topics to be covered include the rise of nationalism, the gaining of independence, problems in establishing democracy, experience during World War II, and the establishment of communist control.

HIS 340—English History, 1485-1660 (5-0-5)

Fall, 1989.

An analysis of political, constitutional, economic, and religious issues under the Tudors and early Stuarts, including the English Civil War.

HIS 341—English History, 1660-1815 (5-0-5)

Winter, 1990.

An investigation of the Restoration monarchies, the constitutional revolution of 1688, the rise of ministerial responsibility in the early 18th century, the American colonial revolt, and England's relationship to the French Revolution.

HIS 342—Ancient History (5-0-5)

A study of the early civilizations of the Middle East, the Greek city states, the Roman republic and empire, with special emphasis on the social, political and cultural contributions of these ancient peoples.

HIS 343—Early Middle Ages, A.D. 333-c.1000 (5-0-5)

Fall, 1990.

The history of Europe from the fall of the Roman Empire through the Carolingian period with special emphasis on the institutional developments which led to the emergence of stable kingdoms out of the chaos of the barbarian invasions.

HIS 344—The High Middle Ages, C.1000 to c.1300 (5-0-5)

Winter, 1991.

The history of Europe from c. 1000 to 1300 with emphasis on the struggle between church and state, the Crusade movement, and the 12th century intellectual renaissance, all of which profoundly influenced the development of the various medieval kingdoms.

HIS 345—The Late Middle Ages and Renaissance (5-0-5)

Spring, 1991.

The history of Europe from c. 1300 to 1517 with emphasis on the political, cultural, and intellectual developments which transformed medieval and Renaissance society.

HIS 346—Reformation Era (5-0-5)

Winter, 1990.

A study of the controversial era emphasizing its major issues and movements, and their development through the Thirty Years War. Political, social, and economic, as well as religious facets of the upheaval will be considered.

HIS 347—Europe in the Eighteenth Century (5-0-5)

Fall, 1990.

This course covers the period from the reign of Louis XIV to the French Revolution, considering the major political, social, and intellectual trends on the Continent. Particular emphasis is placed on France.

HIS 348—Europe in the Nineteenth Century (5-0-5)

Winter, 1990.

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

HIS 350—Europe in the Twentieth Century (5-0-5)

Spring, 1990.

A study of the major developments in Europe since 1900.

HIS 410—Seminar in European History (5-0-5)

Offered on demand.

Permission of instructor required for admission.

A detailed analysis of a specific problem in European history by examination of primary materials.

HIS 411—Seminar on the Crusades (5-0-5)

Spring, 1990.

An examination of the 12th and 13th century Crusade movement through the study of the available primary source material.

HIS 445—Topics in Medieval History (5-0-5)

Summer, 1990.

A treatment of selected topics in medieval history working from primary source materials. May be repeated for credit as topics vary.

HIS 447—The French Revolution and Napoleon (5-0-5)

Spring, 1991.

This course examines the background and events of the French Revolution and the career of Napoleon. Different interpretations are considered.

HIS 483-484—Independent Study in European History (V-V-(1-5))

Available each quarter. Prerequisites: HIS 300 and at least 15 additional hours in upper division History courses (with a minimum GPA of 3.0) and an overall GPA of 2.5 (after completion of 120 hours), and an approved application. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Designed to permit superior students to pursue individual research and reading in the chosen field under the supervision of a member of the History faculty. An application must be filed with the department, in advance, normally by mid-quarter preceding the independent study. A full description of the requirements and an application may be obtained in the department office.

HIS 495—European Historiography (5-0-5)

Winter, 1991 (evening). See major program outlines, part B.1, for the historiography requirement.

A study of the writers of history in the Western cultural tradition, with an emphasis on the historical philosophies, interpretations, and problems raised by the major modern European historians. Recommended especially to students contemplating graduate work in History.

Russian, Asian, African and Latin American Study Offerings

HIS 310—Latin America (5-0-5)

An introductory course in Latin-American history with consideration given to institutions of the past as well as events and personalities.

HIS 312—History of Africa (5-0-5)

A survey of African civilizations from ancient times, with major emphasis on development of the continent since 1800.

HIS 320—Traditional China (5-0-5)

Fall, 1990.

The history of Chinese civilization from ancient times to the early nineteenth century, with emphasis on its characteristic political, social, economic, and cultural developments.

HIS 321—Modern China (5-0-5)

Spring, 1991.

The history of China from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HIS 322—History of Japan (5-0-5)

Fall, 1989.

A survey of the history of Japan from the earliest times to the present, with primary emphasis on its emergence as a world power since the nineteenth century.

HIS 323—History of the Middle East (5-0-5)

Spring, 1990.

A survey of Middle Eastern history from Muhammad to the present, and of Islamic culture and civilization. Emphasis will be placed on the background of current issues and conflicts in the region.

HIS 329—Medieval Russia (5-0-5)

Fall, 1989.

A survey of the economic, social, and political development of the Russian state from its foundation in the 9th century through its modernization by Peter the Great in the early 18th century.

HIS 330—Modern Russia (5-0-5)

Fall, 1990.

A survey of Russian history from Peter the Great to the present. The major political, cultural, economic, and social developments of Russia in both the Imperial and Soviet periods will be covered.

HIS 428—Russia and the West (5-0-5)

Winter, 1990.

A detailed study of the impact of Western influence on the Muscovite state in the sixteenth and seventeenth centuries.

HIS 431—The Russian Revolution (5-0-5)

Spring, 1991. Prerequisite: Permission of the instructor.

An examination of the Russian revolutionary tradition, the causes for the collapse of Tsarism, the Bolshevik Revolution, and victory in the Russian Civil War.

HIS 435—History of Soviet Foreign Policy (5-0-5)

Fall, 1989.

This course reviews historically the development of Soviet foreign policy toward Western European states, notably Germany, and also with the non-European world through 1917-1940, World War II, and cold War phases. Special attention will be given in this last phase to U.S.-Soviet rivalry. Soviet relations with other communist states in Eastern Europe, China, and the Third World, and to the recent moves toward detente.

HIS 481-482—Independent Study in Russian/Asian/African/Latin-American History (V-V-(1-5)).

Available each quarter. Prerequisites: HIS 300 and at least 15 additional hours in upper division History courses (with a minimum GPA of 3.0), an overall GPA of 2.5 (after completion of 120 hours), and an approved application. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Designed to permit superior students to pursue individual research and reading in the chosen field under the supervision of a member of the History faculty. An application must be filed with the department, in advance, normally by mid-quarter preceding the independent study. A full description of the requirements and an application may be obtained in the departmental office.

Museum and Preservation Studies Offerings

MPS 207—Introduction to Archaeology (5-0-5)

Spring.

The introductory archaeology course consists of a history of the field, basic techniques, theoretical underpinnings, and examples of field work from all types of excavation. It covers the range from early man to industrial and urban archaeology in a general fashion. Analysis is introduced along with survey techniques, preservation reporting and other skills. (Identical with ANT 207.)

MPS 401—Fieldwork in Historical Archaeology (0-20-10)

Summer. Prerequisite: MPS 207 or permission of instructor or director.

An introduction to and first application of archaeological methods to a specific field project. Excavation techniques, surveying and map making, data collecting and recording, archaeological photography, the identification and analysis of art facts, and the interpretation or archaeological data will be presented in field and laboratory work as well as in lectures and readings. (Identical with ANT 401). (Under certain circumstances this course may be substituted in the Preservation Studies minor for MPS 498). Course may be repeated for credit.

MPS 402—Practicum in Archaeological Analysis (2-6-5)

Fall, 1990. Prerequisite: permission of instructor.

The application of archaeological interpretative techniques to a specific site or analytical problem. Individual research projects in the interpretation of archaeological data and the conservation of artifactual finds with special attention to the care and storage of collections, display in the museum setting, and the presentation of archaeologically-derived information. (Identical with ANT 402). (Under certain circumstances this course may be substituted in the Museum Studies minor for MPS 495).

MPS 403—American Material Culture (4-2-5)

Winter, 1990.

An introduction to the study of the non-literary remains of our society, past and present. Vernacular and polite architecture, ceramics, mortuary art, community and settlement patterns,

dress, diet, and disease are among the topics that will be discussed. (Identical to HIS 403 and ANT 403).

MPS 410—Curatorship (5-0-5)

Prerequisite: HIS 300 or permission of instructor.

Deals with the historical background and purpose of curatorship, conservation, restoration technology, research including authentication, cataloging and organizing collections.

MPS 420—An Introduction to Historic Preservation (5-0-5)

Fall, 1989.

Students may find HIS 300 to be useful preparation for this course.

A survey of the field including values, principles, practices, development of planning and organization for preservation; preservation law, economics and politics.

MPS 421—Architectural History (4-2-5)

Spring, 1991.

A study of various styles of American architecture, Georgian, Federal, Neoclassical, Eclecticism and modern; slides from Historic American Building Survey; landscape architecture. Visiting speakers and field trips will be used.

MPS 422—Historical Archaeology (5-0-5)

Fall, 1989. Prerequisite: MPS 207 or permission of the instructor.

An introduction to the archaeology of North America since the arrival of European man in the New World. Some attention will be paid to British and Continental Post Medieval Archaeology as well as to the special areas of Industrial and Nautical Archaeology. Special stress will be given to archaeological method and theory but also as a perspective for the writing of history and as a component of Historic Preservation. (Identical with HIS 422).

MPS 430—Administration (5-0-5)

Prerequisite: MPS 420.

A study of organizational techniques and policy, public relations and marketing, membership, budgeting, personnel relations, security, insurance, and such other topics as are pertinent.

MPS 480—Special Topics in Archaeology (V-V-[1-5])

Prerequisites: ANT/MPS 207, ANT/MPS 401

The course is designed to offer a wide variety of experience to advanced, upper level students.

archaeological techniques. Subject matter will center on such topics as archaeological graphs, faunal analysis (zooarchaeology), conservation, or involve some off-campus archaeological experience.

PS 495—Internship in Museum Studies (V-V-5)

Prerequisites: MPS 420, 411, and 412 with a "C" or better in each course.

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency involved in museum work. Projects are normally designed to require the full eleven week quarter to completion, during which time the student will be under the joint supervision of the sponsoring agency and his faculty sponsor.

PS 498—Internship in Preservation Studies (V-V-5)

Prerequisites: MPS 412, 420, 421 with a "C" or better in each course.

The student will pursue an individually designed course project involving off-campus study and research in an appropriate preservation agency. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under the joint supervision of the sponsoring agency and his faculty sponsor.

Graduate Program and Courses

Coordinator: Dr. Olavi Arens

Ed.

For details regarding the M.Ed. and Ed.S. programs, please refer to the Department of Secondary Education portion of the **Catalog**.

A. in History

The Master of Arts in History degree program may be pursued in three areas of concentration.

- Historic Preservation
- American History
- European History

Objectives

The program offers students an opportunity to achieve a graduate liberal arts degree that support a broad range of personal, profes-

sional, and educational objectives. Obtaining an M.A. in History can lead to employment opportunities for students as archivists, local history society directors, historic site directors, local museum directors, and professionals in the field of cultural resource preservation. The research skills, experience in analytical thinking, and ability to express oneself orally and in writing will be of benefit to a student in seeking employment in governmental and military service and teaching at private schools, as well as preparing a student for further graduate study. The M.A. degree may also lead to job advancement or more effective performance, as well as to great personal satisfaction and intellectual enrichment.

Advisement

On admission to graduate studies students should take immediate steps to contact the Graduate Coordinator in the Department of History. At this time the student's status with respect to language requirements prerequisite coursework, any transfer credits, etc., can be clarified. Also, an advisor will be assigned so that actual planning of the program of study can begin.

Transfer of Credits

Students may transfer coursework from another accredited institution providing (1) no more than 5 hours be applied toward either the concentration field or to "history outside the concentration," and (2) that the work offered for transfer be deemed appropriate to the program of study by the Department. Under no circumstances may credit transferred exceed 15 hours.

Language Requirements

The language requirement must be met by satisfactorily passing the reading comprehension section of an appropriate national standardized test administered by the ASC Department of Languages, Literature, and Dramatic Arts in one of the following: French, German, Latin, Russian, or Spanish. This is equivalent to passing the appropriate 103-level language course.

Comprehensive Examinations

Satisfactorily performance on both written and oral comprehensive exams is required of all candidates for the M.A. in History. As coursework nears completion specific details on the exams should be worked out in coordination with the faculty advisor and the Graduate Coordinator.

Thesis/Internship Requirement

All three concentration fields require either a thesis or an internship. Topics and other arrangements for these projects must be planned in consultation between the student, the faculty advisor, and the Graduate Coordinator.

PROGRAM FOR THE DEGREE OF MASTER OF ARTS IN HISTORY

	Hours
A. Concentration in American or in European History: Prerequisite: History 500 (ASC) or undergraduate history methodology course.	
1. In field of concentration (American or European) including historiography:	25
2. History outside concentration...	15
3. Electives in history or approved related field courses	10
4. Thesis	10
TOTAL	60
B. The concentration in Historic Preservation involves several prerequisites: HIS 300 (ASC) or undergraduate history methodology course, MPS 420 (ASC) or an introductory course in preservation and MPS 207 (ASC) or introductory course in archaeology.	
1. In Historic Preservation concentration	25
MPS 621 (American Architectural History)	
MPS 603 (American Material Culture)	
MPS 622 (Historical Archaeology) or	
MPS 602 (Practicum in Archaeological Analysis)	
MPS 630 (Administration)	
MPS 725 (Preservation Planning)	
2. Approved history courses (to include History 670 or History 671)	25
3. Internship (MPS 701-702 an option) and a research paper or Thesis	10
TOTAL	60

N.B. courses taken at the undergraduate level may not be repeated for graduate credit. At least 50% of the credit toward the M.A. must be taken at the 700-level or above.

*N.B. Students who cannot schedule the appropriate historiography course will satisfy this requirement by means of a reading list and an examination with a grade of B or better. No credit toward the degree is awarded for this examination.

OFFERINGS

In addition to any specifically noted course prerequisites, there is the general requirement that students must have 35 hours of undergraduate work in history to qualify for regular admission to the M.A. program, or 25 hours to qualify for provisional admission.

General History Offerings

HIS 500—Historical Method (3-4-5)

Fall and Spring (evening).
Required of all students pursuing an M.A. in history unless an equivalent course has been taken previously.
(See HIS 300 for course description.)

HIS 791—Independent Study (V-V-5)

Available each quarter. Prerequisites: at least 15 graduate hours in History, graduate GPA of 3.5 and approval by a departmental committee. Designed to permit students to pursue individual research and a paper in the chosen field under the supervision of a member of the history faculty.

An application may be obtained in the departmental office and should be submitted, with the signature of the faculty member who will supervise the independent study, during preregistration period the quarter before the independent study will be taken. Only one independent study may be credited toward the history concentration requirement.

HIS 792—Directed Readings in History (V-V-5)

Prerequisites: 15 hours of graduate history, graduate GPA of 3.5, and approval by a departmental committee.

A student whose program of study shows need for an additional graduate course in History that cannot be met by the projected schedule of courses may petition the Graduate Committee to register for a course in Directed Readings, under the supervision of a consenting faculty member. A plan for reading and assessment must be submitted to the Graduate Co

nittee for approval. A student may register for his course only once.

HIS 800-801—Thesis (0-V-5)

Prerequisite: Satisfactory performance on the comprehensive examinations.

Planned research and writing directed by the student's thesis advisor. Normally, a student will register for 5 hours credit per quarter, using one quarter for research and one quarter for writing.

United States History Offerings

IS 554—Studies in American Diplomacy to WW I (5-0-5)

Fall, 1990.

Prerequisite: HIS 251 or equivalent.

(See HIS 354 for course description.)

IS 555—Studies in American Diplomacy since WW I (5-0-5)

Winter, 1991.

(See HIS 355 for course description.)

IS 557—American Military History (5-0-5)

Spring.

Prerequisite: Sophomore standing.

A study of the history of warfare and military technique in their social, economic, and political contexts, with special emphasis on the American military tradition.

IS 576—Victorian American (5-0-5)

Winter, 1991.

(See HIS 376 for course description.)

IS 621—American Architectural History (2-5)

Spring, 1991.

(See HIS 421 for course description.)

IS 651—Reform Movements in American History (5-0-5)

Spring, 1991.

(See HIS 451 for course description.)

IS 670—Topics in Savannah History (0-5)

Winter, 1991.

(See HIS 470 for course description.)

IS 671—Seminar in Georgia and Local History (5-0-5)

Fall, 1989. Prerequisites: HIS 470, 670, or permission of the instructor.

(See HIS 471 for course description.)

HIS 696—American Historiography (5-0-5)

Winter, 1990 (evening).

See program outline, Part A.1, for the historiography requirement.

(See HIS 496 for course description.)

Students who cannot schedule the appropriate historiography course will satisfy this requirement by means of a reading list and an examination with a grade of B or better. No credit toward the degree is awarded for this examination.

HIS 770—Topics in U.S. History (5-0-5)

Winter, 1990.

Topics and instructors vary over an approximate four-year cycle; hence the course may be repeated for credit. Information about the specific topic and instructor for a given quarter is available in the departmental office. A complete list of topics that have been taught is also available on request.

European History Offerings

HIS 536—Modern East Central Europe (5-0-5)

Spring, 1990.

(See HIS 336 for course description.)

HIS 540—English History, 1495-1660 (5-0-5)

Fall, 1989.

(See HIS 340 for course description.)

HIS 541—English History, 1660-1815 (5-0-5)

Winter, 1990.

(See HIS 341 for course description.)

HIS 546—The Reformation Era (5-0-5)

Winter, 1990.

(See HIS 346 for course description.)

HIS 547—Europe in the Eighteenth Century (5-0-5)

Fall, 1990.

(See HIS 347 for course description.)

HIS 548—Europe in the Nineteenth Century (5-0-5)

Winter, 1990.

(See HIS 348 for course description.)

HIS 550—Europe in the Twentieth Century (5-0-5)

Spring, 1990.

(See HIS 350 for course description.)

HIS 611—Seminar on the Crusades (5-0-5)

Summer, 1990.

(See HIS 411 for course description.)

HIS 628—Russia and the West (5-0-5)

Winter, 1990.

A detailed study of the impact of Western influence on the Muscovite state in the sixteenth and seventeenth centuries.

HIS 631—The Russian Revolution (5-0-5)

Winter, 1991. Prerequisite: Permission of instructor.

An examination of the Russian revolutionary tradition, the causes for the collapse of Tsarism, the Bolshevik Revolution, and victory in the Russian Civil War.

HIS 635—History of Soviet Foreign Policy (5-0-5)

Fall, 1989.

This course reviews historically the development of Soviet foreign policy toward Western Europe states, notably German, and also with the non-European world through 1917-1940. World War II, and Cold War phases. Special attention will be given in the last phase to U.S.-Soviet rivalry. Soviet relations with other communist states in Eastern Europe, China, and the Third World, and to the recent moves toward detente.

HIS 645—Topics in Medieval History (5-0-5)

Spring, 1990.

(See HIS 445 for course description.)

HIS 647—The French Revolution and Napoleon (5-0-5)

Winter, 1991.

(See HIS 447 for course description.)

HIS 695—European Historiography (5-0-5)

Winter, 1991 (evening).

See program outline, part A.1, for the historiography requirement.

(See HIS 495 for course description.)

Students who cannot schedule the appropriate historiography course will satisfy this requirement by means of a reading list and an examination with a grade of B or better. No credit toward the degree is awarded for this examination.

HIS 760—Topics in European History (5-0-5)

Fall, 1989; Spring, 1990.

Topics and instructors vary over an approximate four-year cycle; hence the course may be repeated for credit. Information about the specific topic and instructor for a given quarter is available in the departmental office. A complete list of topics that have been taught is also available on request.

Non-Western History Offerings***HIS 510—Latin America (5-0-5)**

(See HIS 310 for course description.)

HIS 512—Topics in African History (5-0-5)

(See HIS 312 for course description.)

HIS 521—Modern China (5-0-5)

Spring, 1991.

(See HIS 321 for course description.)

HIS 721—Topics in Modern East Asia (5-0-5)

Summer, 1989. Prerequisite: Permission of instructor.

Selected topics in the nineteenth and twentieth century international, political, economic, social, intellectual, or contemporary developments in East Asia. May be repeated as topics and instructors vary. (Identical with POS 721.)

*In the M.Ed. program, courses in Russian history are also considered to be non-Western.

Museum and Preservation Studies Offerings**MPS 601—Fieldwork in Historical Archaeology (0-20-10)**

Summer. Prerequisite: MPS 207 or permission of instructor or director.

(See MPS 401 for course description.)

MPS 602—Practicum in Archaeological Analysis (2-6-5)

Fall, 1990. Prerequisite: permission of instructor or director.

(See MPS 402 for course description.)

MPS 603—American Material Culture (4-2-5)

Winter, 1990.

(See MPS 403 for course description.)

MPS 621—Architectural History (4-2-5)

Spring, 1991.

(See MPS 421 for course description.)

MPS 622—Historical Archaeology (5-0-5)

Fall, 1989.

Prerequisite: MPS 207 or permission of instructor.

(See MPS 422 for course description.)

MPS 630—Administration (5-0-5)

Prerequisite: MPS 420 or equivalent.

(See MPS 430 for course description.)

MPS 701—Advanced Fieldwork in Historical Archaeology (0-10-5)

Summer. Prerequisites: MPS 401 or 601, or permission of instructor.

An advanced course in historical archaeology methodology within the framework of a field-school. Students in this course will serve as crew chiefs, team leaders, and laboratory technicians, assuming an active role in the direction of excavation, recording, and preliminary analysis of cultural material. Some specialization within the field is required as a guide to development of excavation research goals and carrying out the aims of the fieldwork. The course may be repeated, but not for credit toward the degree.

PS 702—Advanced Archaeological Analysis (0-10-5)

Available each quarter. Prerequisite: Completion of MPS 701.

Work performed for this course will be utilized in writing a major report for the degree requirement or for a thesis. The course will center around individually designed research topics relating to materials recovered from archaeological sites and their interpretation. It may be repeated but not for credit toward the degree.

PS 725—Preservation Planning (5-0-5)

Prerequisite: MPS 420.

A study of the principles and practices of community planning and its application to historic preservation. The course will present the preservation planning process in terms of goal-setting, survey, analysis execution and relation to community power structure.

PS 791-792—Independent Study (V-V-5)

Available each quarter. Prerequisites: Students must have achieved either provisional or regular status in the graduate program and be in good standing. (3.0 GPA), and completed HIS 600, or equivalent.

Designed to substitute for required MPS courses that a student has already taken as an undergraduate or to provide an opportunity for a student to pursue individual research and readings in a chosen field under the supervision of a member of the faculty. Application should be filed during the early enrollment period of the quarter before the independent study will be taken. Unanimous approval by the graduate committee, or a majority vote of the department is required.

MPS 795-796—Internship in Preservation (0-V-5)

Prerequisites: Regular admission status in the M.A. program; 15 hours of MPS coursework at the graduate level; HIS 500, and either HIS 670 or HIS 671.

The student will pursue an individually designed project involving off-campus study and research in an appropriate preservation agency. Projects are designed to require at least two quarters for completion, during which time the student will be under the joint supervision of the sponsoring agency and the faculty sponsor. Upon completion of the project, the student will present to a graduate committee a formal report, which must be approved in order to satisfy the Internship requirement for the M.A. degree.

MPS 800-801—Thesis (0-V-5)

Prerequisite: Satisfactory performance on the comprehensive examinations.

Planned research and writing directed by the student's thesis advisor. Normally, a student will register for 5 hours credit per quarter, using one quarter for research and one quarter for writing.

Languages, Literature, and Dramatic Arts

Faculty

- *Strozier, Robert, Department Head
- Andrews, Carol
- *Brooks, S. Kent
- *Brown, Hugh
- Cooksey, Thomas
- Echegoyen, Regina
- Jenkins, Marvin
- Martin, William
- Noble, David
- Nordquist, Richard
- *Raymond, Richard
- *Roth, Lorie
- Suchower, John
- Thomas, Holly
- Welsh, John
- White Virginia

*Graduate Faculty

English Composition

Entering students should begin the required English core sequence in their initial quarter of

attendance. Students must not delay beginning this sequence beyond their second quarter of attendance. Students must enroll in the appropriate course in the core sequence and do so each quarter until they complete the sequence and/or pass the Regents' Test. ENG 101, 102, and 201 courses may not be dropped without permission from Dr. Strozier, Department Head. Students who do drop these courses without Department Head approval will receive a failing grade in the class.

Transfer students who have not completed the required English composition courses prescribed by Armstrong degree programs will be expected to take an English Placement Test (EPT) to place the students in the appropriate English course. The exceptions to this requirement are: students with an SAT verbal of 450 or above **and** a TSWE score of 40 or above, and University System students who have credit for ENG 101 and ENG 102.

The transferred English composition credits will show the number and title of the sending institution so that the composition courses taken at Armstrong will not necessarily be shown as repeats. These transferred courses may then be used as elective credit to complete degree requirements.

Exemptions from Core English

Students who wish credit exemption for English 101 must take the CLEP College Composition and Essay examination and make a score of 53 (Grade equivalent of a "B") and make a "C" or above in English 102. Students who wish a credit exemption for English 102 must take the CLEP Analysis and Interpretation of Literature and Essay Examination and make a score of 55 (Grade equivalent of "B") and make a "C" or above in English 201. Students who make these scores in English 101 and 102 exams must make a "C" or above in English 201 to receive credit exemption for those courses.

Students who score "3" or above on the AP exam also will receive credit exemption for English 101, providing that they make "C" or better in English 102.

Foreign Languages

Students who, while enrolled at Armstrong State College, take their foreign language courses on another campus must pass an appropriate national standardized test with a score

not lower than the 60 percentile on each part to receive credit for 103 and/or 201. Students transferring to Armstrong State College, after having completed the required foreign language sequence at another college, with "C's" or above, are not required to complete the proficiency examinations at Armstrong.

Exemptions from Foreign Languages

Students who wish a credit exemption for the French or Spanish requirement must make a score of 45 (Grade equivalent of a "B") on the CLEP exam, and make a "C" or better in the appropriate 201 class. Students who wish a credit exemption for German must make a score of 44 (Grade equivalent of a "B" and make a "C" or higher in German 201. For further information students should contact the Head of the Department of Languages, Literature, and Dramatic Arts, or Ms. Benson in Counseling and Placement.

Students majoring in English or in Drama Speech should satisfy the college core requirements for the Bachelor of Arts degree during the freshman and sophomore years. Students must earn a grade of "C" or better in each 300 or 400 level course included in any major or minor area.

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN ENGLISH

	Hour
A. General Requirements	10
Area I.....	2
1. ENG 101, 102 or 192, 201 or 292.....	1
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	
Area II.....	2
1. Two from: MAT 101, 103, 290..	1
2. Laboratory science sequence..	1
Area III.....	2
1. HIS 114 or 191, 115 or 192; POS 113.....	1
2. One from: ANT 201; ECO 201, 202; PSY 101; SOC 201	
Area IV.....	3
1. Foreign language sequence through 201	2

2. CS 115, and one of the following: ART 200, 271, 272, 273; DRS 227, 228; MUS 200; PHI 201....	10
Area V.....	6
1. PE 103 or 108 and 117.....	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	
3. Courses in the Major Field.....	45
1. ENG 301, 345 or 346.....	10
2. One from ENG 341, 347, 350, 356, 357.....	5
3. One from ENG 352, 353, 354... ..	5
4. One from ENG 333, 334, 335... ..	5
5. ENG 311 and 312.....	10
6. One from ENG 370, 371, 372, 380, 382.....	5
7. One course in literature in English.....	5
4. Related Field Requirements.....	25
Courses numbered 300 or above in the School of Arts, Sci- ences, & Education.....	25
5. Electives.....	20
6. Regents' Examination.....	0
TOTAL	191

Area V.....	6
1. PE 103 or 108 and 117.....	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5
B. Courses in the Major Field.....	40
1. ENG 301.....	5
2. ENG 311 and 312.....	10
3. One from ENG 333, 334, 335... ..	5
4. ENG 313 or 314.....	5
5. ENG 345 or 346.....	5
6. ENG 380 or 382.....	5
7. ENG 370.....	5
C. Related Field Requirements.....	15
1. DRS/FLM 350 or 351, and ap- proved elective.....	10
2. PHI 400 or approved elective... ..	5
D. Professional Sequences.....	45
1. EDN 200; EXC 310, EDN 335, 422, 439, 481, 482, 483.....	40
2. PSY 301 or EDN 302.....	5
E. Regents' Examination.....	0
TOTAL	201

**PROGRAM FOR THE DEGREE OF
BACHELOR OF ARTS WITH A MAJOR IN
DRAMA-SPEECH**

**PROGRAM FOR THE DEGREE OF
BACHELOR OF ARTS WITH A MAJOR
ENGLISH (with teacher certification)**

	Hours
General Requirements.....	101
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One from ART 200, 271, 272, 273; ENG 222; MUS 200.....	5
Area II.....	20
1. MAT 101 and 103 or 220 or 290.....	10
2. Laboratory science sequence..	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. PSY 101.....	5
Area IV.....	30
1. Foreign language sequence through 201.....	20
2. DRS 228 or 341.....	5
3. One from ANT 201; ECO 201, 202; SOC 201.....	5

	Hours
A. General Requirements.....	101
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201.....	5
Area II.....	20
1. MAT 101, 290.....	10
2. Laboratory science sequence..	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One from: ANT 201; ECO 201; PSY 101; SOC 201.....	5
Area IV.....	30
1. Foreign language sequence through 201.....	20
2. DRS 227, 228.....	10
Area V.....	6
1. PE 103 or 108 and 117.....	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5

B. Courses in the Major Field.....	45
1. DRS 341, 342, 345, 346; ENG 301.....	25
2. Two from: DRS 450, 451, 452 ..	10
3. One from: DRS 340, 347, 350, 351.....	5
4. One from: DRS 400; ENG 400, 401, 402	5
C. Related Field Requirements.....	30
1. ENG 345, 346, 356, 357, 360, 365.....	20
2. One from: ART 200, 271, 272, 273; MUS 200; PHI 201	5
3. One course from: LIN 380, 382 ..	5
D. Electives	15
E. Regents' Examination.....	0
TOTAL	191

PROGRAM FOR THE DEGREE OF
BACHELOR OF ARTS WITH A MAJOR IN
ENGLISH (Communications Concentration)

	Hours
A. General Requirements	101
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II.....	20
1. Two from: MAT 101, 103, 290	10
2. Laboratory science sequence ..	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One from: ANT 201; ECO 201, 202; PSY 101; SOC 201	5
Area IV.....	30
1. Foreign language sequence through 201.....	20
2. CS 115 and one of the following: ART 200, 271, 272, 273; DRS 227; MUS 200; PHI 201	
Area V.....	6
1. PE 103 or 108 and 117.....	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5

B. Courses in the Major Field.....	45
1. Two from ENG 370, 372, JRN 343.....	10
2. DRS 228 and 341	10
3. ENG 311 and 312.....	10
4. ENG 313 and 314.....	10
5. One from ENG 333, 334, 335...	25
C. Related Field Requirements.....	25
1. One from: FLM 340, FLM 350, FLM 351	5
2. One from: DRS 347, ART 204, 211.....	5
3. One from: HIS 351, HIS 352, SOC 333.....	5
4. One course selected from: ENG 400, DRS 400, PHI 400, JRN 400	5
5. One upper division course from Arts, Sciences, and Education	5
D. Electives	20
1. ENG 499.....	5
2. Electives	15
TOTAL	191

Minor Concentrations

The following minor concentrations available from the Department of Languages, Literature and Dramatic Arts. For completion of each of the minors, the student must earn a "C" or better in each course offered for the minor.

The minors and their requirements are:

	Hours
Communications	20
1. ENG 370, JRN 343, ENG 372 ..	
2. DRS/FLM/JRN 350, DRS/FLM 351, ART 211, 204, 314, 315....	
3. ENG 499, ENG 400, DRS 400, FLM 401, JRN 400	
4. DRS 228 or 341	
5. One 300-400 course in Languages, Literature, and Dramatic Arts.....	
English.....	20
English electives at the 300-400 level (only 5 hours of 499)	
Film.....	20
1. DRS/FLM 340, 351	
2. DRS/FLM 350, DRS/FLM 401 ..	
Foreign Language	20
20 hours in one language at the 300-400 level.....	

linguistics	20
Courses selected from ENG/ LIN 325, 340, 410; LIN 400, 485.....	20
philosophy	20
Philosophy electives at the 300-400 level.....	20

Drama-Speech Offerings

Successful completion of ENG 101 is prerequisite to all DRS courses with the exception of RS 227.

RS 227—Theatre Laboratory (0-3-1)

Offered every quarter.

Practical experience in theatre. The student will work on the Masquers' production of the quarter. Only one hour of credit may be earned per quarter. The maximum total credit allowed Theatre Laboratory is five quarter hours.

In the summer students may take up to five course credit in DRS 227 by working part time in summer theatre workshop (DRS 450).

RS 228—Speech Communication (5-0-5)

Offered every quarter.

Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanisms is covered, and articulation is studied within the framework of the international Phonetic Alphabet.

RS/FLM 340—Development of the Cinema (5-0-5)

Same as FLM 340.

A study of the history and development of the cinema with special emphasis on the American dominance of the medium.

RS 341—Oral Interpretation (5-0-5)

Fall.

The oral interpretation of poetry and prose. The techniques of literary analysis and the vocal techniques needed to communicate an author's mood and meaning are stressed.

RS 342—Dynamics of Performing (5-0-5)

Alternates with DRS 345, Winter. Prerequisites: ENG 101 plus at least two credit hours in RS 227.

Intensive study of characterization and styles of acting from several points; historical, critical, practical, theoretical, and experimental. Emphasis on development of performance skills.

DRS 345—History of the Theatre (5-0-5)

Alternates with DRS 342, Winter.

A survey of theatrical art from its beginning to the present day emphasizing the development of the physical theatre.

DRS 346—Play Production (5-0-5)

Alternating Spring quarters.

The theory and practice of acting and directing with special attention to image-making on stage. Individuals under supervision prepare and execute the production of scenes and short plays.

DRS/JRN 347—Basic TV Production (2-9-5)

Alternates with DRS 400, Spring, Fall.

The theory and practice of television production styles, forms, and concepts, with special emphasis on the critical appreciation of electronic communication techniques.

DRS/FLM/JRN 350—Film as an Art (5-0-5)

Spring. Same as FLM 350 and JRN 350.

Study of film with emphasis on critical appreciation of film as an art form.

DRS/FLM 351—Film and Literature (5-0-5)

Summer. Same as FLM 351. Prerequisite: DRS/FLM 350.

Studies in the translation of literature to film with emphasis on the differences of the media in form, content and perception.

DRS 400—Special Topics in Communications (1-5)-0-(1-5)

Alternates with DRS 347, Spring, Fall. Prerequisite: ENG 101.

The special subject matter in this course is announced when the course is offered.

DRS/FLM 401—Topics in Film (5-0-5)

Prerequisite: Film 350 or 351.

The special subject matter of this course will be announced when the course is offered. Topics include: Film Genres, Auteurs, and Critical Theory.

DRS 450-451-452—Drama Workshop (0-15-5)

Summer only.

Summer stock theatre for credit. Students are directed and instructed by a member of the faculty who is a professional in the theatre. All aspects of production will be studied.

DRS 490—Independent Study (1-5)-0-(1-5)

Offered on demand. Prerequisites: Senior status plus ENG 101 plus at least one 300 level DRS course. Open to transient students only with the permission of Dean of Faculty at Armstrong and the college from which the student comes.

English Offerings**ENG 025—Composition Review (5-0-5)**

Institutional Credit.

Designed to correct deficiencies in writing revealed by the Regents' Test. Prerequisite: Completion of the English core requirements of the student's program.

ENG 101—Composition (5-0-5)

Offered each quarter.

Each student should attain at least one of the following prior to enrolling: (a) a combination of 450 SAT Verbal/40 TSWE (Test of Standard Written English) scores, or (b) the prescribed level of performance on the English Placement Test (EPT), or (c) a grade of "P" in English 099.

For the student having demonstrable ability in reading, writing, and organizing. The student will sharpen his skills by writing themes of varying length and complexity utilizing techniques learned from intensive study of essays in four rhetorical modes (description, narration, exposition, and argumentation). The course also aims to increase the student's awareness of language itself. Readings in addition to the essay may be used.

ENG 102—Composition II (5-0-5)

Offered each quarter. Prerequisite: Satisfactory completion of ENG 101 or ENG 191.

Gives the student guided practice in reading and compositional skills. The course introduces literary forms and language—fiction, poetry, drama—using readings in and study of those forms to stimulate the writing of interpretive and critical papers.

ENG 192—Honors Composition and Introduction to Literature (5-0-5)

Winter. Prerequisite: Minimum grade of "B" in English 101 and the recommendation of the English 101 instructor and approval of the Department Head.

The student will read and write in greater depth than in English 102.

ENG 201—Selections in World Literature (5-0-5)

Offered each quarter. Prerequisite: ENG 102 or ENG 192.

Completes the Core I sequence. Organized around literary and extra-literary materials, the course facilitates student investigation of enduring issues and ideas found in world literature. Research techniques are introduced. The specific content in each section of this course is announced quarterly.

ENG 222—Topics in the Humanities (5-0-5)

Prerequisite: ENG 201.

A thematic approach to major works in the humanities designed to awaken and heighten the student's awareness of traditional and contemporary issues. Topics will be announced.

ENG 292—Honors Composition and Literature (5-0-5)

Spring. Prerequisite: Minimum grade of "C" in English 192 or minimum grade of "B" in English 102 and the recommendation of the English 101 instructor.

The student will read and write in greater depth than in English 201.

Please Note: ENG 201 is prerequisite to all EN 300-400 courses. **ENG 311 and 312 are prerequisite for all English courses 330 through 499, except ENG 370 through 382.**

ENG 301—Introduction to Literary Studies (5-0-5)

Fall or Spring.

Familiarizes the English major with the vocabulary and approaches of modern literary criticism, advances abilities in the reading and interpretation of literary texts, and promotes understanding of the tools of literary research and writing.

ENG 311—Survey of English Literature I (5-0-5)

Alternate quarters.

A survey of the major works of English literature from its beginnings at the end of the 16th century. Includes the Beowulf poet, Chaucer, Spenser and Milton.

ENG 312—Survey of English Literature II (5-0-5)

Alternate quarters.

A survey of major works from the beginning of the 19th century to the contemporary period. Includes the Romantics, the Victorians and the Moderns.

ENG 313—World Literature (5-0-5)

Winter. Alternate years.

A study of major works and movements in world literature through the Renaissance.

ENG 314—World Literature II (5-0-5)

Spring. Alternate years.

A study of major works and movements in modern world literature.

ENG 333—American I: Beginnings through 1830. (5-0-5)

Fall. Alternate years.

A survey of significant American poetry and prose from the Atlantic migration to the Jacksonian Age, the course emphasizes development of a literature with a uniquely American character.

ENG 334—American II: Emerson through Twain. (5-0-5)

Winter. Alternate years.

A critical examination of the art and ideas of the major writers of the American Renaissance—Emerson, Poe, Hawthorne, Melville, Thoreau, Whitman, and Dickinson. Traces the evolution of Transcendental Romanticism into the Realism of Twain.

ENG 335—American III: Rise of Naturalism to the Present. (5-0-5)

Spring. Alternate years.

The cultural and ideological bases and evolution of American Realism and Naturalism are probed in the works of James, Crane, Norris, and Dreiser as well as contemporary writers and modernists such as Eliot, Stevens, Faulkner, Frost, Robinson, Fitzgerald, and Cummings.

ENG 341—Early English Literature, Beginnings through 1603. (5-0-5)

Alternates with ENG 302. Fall.

Surveys major English literature from the eighth century to the death of Elizabeth I. Emphasis is on the development of a literature that reflects the diversified England of this 800-year period. Writers include: the Beowulf poet and other Old English authors, early Middle English lyrics and the major figures of the 14th century (the Pearl Poet, Chaucer, Langland, Gower).

ENG 345—Shakespeare I (5-0-5)

Fall or Spring.

A comprehensive study of the tragedies, comedies, and history plays drawn from *Taming of the Shrew*, *Merchant of Venice*, *Merry Wives of Windsor*, *Much Ado About Nothing*, *As You Like It*, *Troilus and Cressida*, *Measure for Measure*,

Richard II, *Henry IV Parts 1 and 2*, *Henry V*, *Titus Andronicus*, *Julius Caesar*, *King Lear*, *Macbeth*, *Antony and Cleopatra*, and *Coriolanus*.

ENG 346—Shakespeare II (5-0-5)

Spring or Fall.

A second comprehensive study of the tragedies, comedies and history plays drawn from *A Comedy of Errors*, *Love's Labor's Lost*, *Romeo and Juliet*, *Midsummer Night's Dream*, *Twelfth Night*, *Hamlet*, *Othello*, *A Winter's Tale*, *The Tempest*, *Pericles*, *Cymbeline*, *All's Well That Ends Well*, *Two Gentlemen of Verona*, *King John*, *Timon of Athens*, *Richard III*, *Henry VI*, and *Henry VIII*.

ENG 347—17th Century British Poetry and Prose: 1603-1689. (5-0-5)

A survey of the major nondramatic literature from the death of Elizabeth I to the reign of William and Mary, this course places its major emphasis upon the metaphysical and classical traditions in English poetry. Authors include Donne, Jonson, Herbert, Herrick, Crashaw, Vaughan, Marvell, Milton, Bacon, Brown, Bunyan, Dryden, and Rochester.

ENG 350—18th Century British Poetry and Prose. (5-0-5)

Spring.

A survey of British poetry and prose from 1690 to 1784, this course acquaints students with the philosophic and aesthetic concerns of the age as reflected chiefly but not exclusively in the works of Swift, Pope, and Johnson.

ENG 352—19th Century I: British Romantic Poetry and Prose (5-0-5)

Winter or Spring.

An examination of the works of the major Romantic writers including Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

ENG 353—19th Century II: British Victorian Poetry and Prose. (5-0-5)

Alternates with ENG 343. Spring.

An examination of the responses of novelists, poets, and prose writers to the issues troubling Victorian England: the conflict between science and religion, the faith in "progress," the growth of industrialism, the rights of the individual and of the society, and the role of the artist.

ENG 354—20th Century British Poetry and Prose. (5-0-5)

Alternates with ENG 342. Spring.

A study of major figures—James, Conrad, Lawrence, Yeats, Hardy, Auden, Thomas—

within the context of continental developments (Symbolism, Proust, Rilke), Eliot, and the concept of "modernism."

ENG 356—British Drama: Beginnings to 1750. (5-0-5)

Alternates with ENG 365. Winter or Spring.

Medieval and Renaissance Non-Shakespearean drama; stresses the plays of Marlowe, Jonson, Beaumont and Fletcher, Middleton and Webster; and grounds the student in the conventions and traditions of Medieval and early Tudor drama.

ENG 357—British Drama II. 1630-1800. (5-0-5)

Alternates with English 356 and 365 Winter or Spring. Restoration and Eighteenth Century Drama; begins with Pre-Restoration, late Caroline drama; and stresses the plays of Ford, Shirley, Dryden, Lee, Otway, Etherege, Wycherley, Congreve, Goldsmith, and Sheridan.

ENG 360—Ancient Epic and Drama (5-0-5)

Spring. Alternate years.

A study of major works of antiquity. Authors include Homer, Aeschylus, Sophocles, Euripides, and other significant figures.

ENG 365—British, American, and Continental Drama: Ibsen to the Present. (5-0-5)

Alternates with ENG 356, Winter.

A survey of 19th and 20th century British, American and European plays. Movements include Realism, the Irish Renaissance. Expressionism, Impressionism, and Theater of the Absurd. Ibsen, Shaw, Yeats, O'Casey, Wilde, Strindberg, O'Neill, and Williams are among the dramatists studied.

ENG 370—Advanced Composition (5-0-5)

Alternates with ENG 371. Fall.

The study of expository and argumentative techniques.

ENG 371—Creative Writing (5-0-5)

Fall.

Students submit manuscripts—stories, poems, plays—which they then critique by written statement and by class discussion under the guidance of the instructor.

ENG 372—Technical and Business Communication (5-0-5)

Offered each quarter.

Students learn to report technical information clearly and persuasively. Assignments include technical descriptions and instructions, memoranda, business letters, reports, and research articles. Emphasizes writing and includes oral presentations using visual aids.

ENG/LIN 380—Advanced Grammar (5-0-5)

Alternates with ENG 410, Spring.

A study of current approaches to grammar (including generative transformational); phonology, morphology and syntax are studied.

ENG/LIN 382—History of English Language (5-0-5)

A study of the English language from its beginnings in the fifth and sixth centuries to its world-wide expansion in the 20th. Traces the language chronologically from Old to Middle to Modern English. Emphasis is on the phonetic, syntactic, and lexical changes with weight given both to internal and external influences.

ENG 400—Special Topic (5-0-5)

Subject is announced when the course is offered. Subjects include: Modernism: 1880-1940; Apartheid in Perspective; World-wide English Literature, Decadence, Women in Literature.

ENG 401—Special Genre (5-0-5)

Subject is announced when the course is offered. Genres include: New England Poets; Victorian Novel, Eighteenth Century Novel, Russian Novel, Southern Fiction, British Drama, Nineteenth-Century American Novel.

ENG 402—Special Author (5-0-5)

Subject is announced when the course is offered. Authors include: Faulkner, Eliot and Aiken, Twain, Hardy, Fielding, Chaucer, Milton, Frost, and Dickinson.

ENG 490—Independent Study (1-5)-0-(1-5)-

Prerequisites: Senior status. Available to transfer students under the following conditions: approval of the Dean of the faculty and Dean of the college from which the student comes.

ENG 491—Independent Study (1-5)-0-(1-5)-

Prerequisites: Senior status. Available to transfer students under the following condition: approval of the Dean of the Faculty and Dean of the college from which the student comes.

ENG 499—Internship (Up to 15 hrs)

Offered by Special arrangement. Prerequisite: Junior status, a 2.5 GPA, a supervisory staff member, recommendation of the departmental Internship Committee, and approval of the Department head. May be repeated to a maximum of 15 credit hours.

The student pursues an individually designed project involving off-campus work, study, and/or research. Projects are under the joint supervision of the sponsoring institution and the staff member. Fifteen hours credit requires forty hours a week at the sponsoring institution. Ten hours credit requires twenty-five hours a week; five hours credit requires fifteen hours a week.

Film Offerings**FLM/DRS 340—Development of the Cinema (5-0-5)**

Winter.

A study of the history and development of the cinema with special emphasis on the American dominance of the medium.

FLM/DRS 350—Film as an Art (5-0-5)

Same as JRN 350.

Study of film with emphasis on critical appreciation of film as an art form.

FLM/DRS 351—Film and Literature (5-0-5)

Prerequisite: FLM/DRS 350.

Studies in the translation of literature to film with emphasis on the differences of the media in form, content, and perception.

FLM/DRS 401—Topics in Film (5-0-5)

Prerequisite: FLM 350 or 351.

Special subject matter is announced when the course is offered. Topics: film genres, auteurs, and critical theory.

Foreign Language Offerings**FRE 101-102-103—Elementary French One, Two, Three (5-0-5)**

Offered each year.

Provides the student with the elements of French reading, composition, and conversation. The approach is primarily oral; daily practice with tape recordings is required.

FRE 201—Intermediate French (5-0-5)

Prerequisite: Three quarters of college French or three years of high school French. Continued emphasis on the reading of text as well as on oral and composition skills.

FRE 300—Special Topics in the French Language (5-0-5)

Prerequisite: FRE 201.

Advanced analysis and examination of the structure and grammar of the French language stressing oral usage.

FRE 305—Special Topics in French Literature (5-0-5)

Prerequisite: FRE 201.

Subject matter is announced when the course is offered. Includes: surveys of Nineteenth and Twentieth-Century literature.

FRE 351-352-353—Study Abroad in France (V-V-15)

Prerequisite: FRE 103.

A summer quarter's residence and study in France in conjunction with the Studies Abroad Program of the University System of Georgia. The program lasts for a period of 8-9 weeks. The student receives intensive instruction in language and culture and participates in University-sponsored activities.

FRE 401—Special Genre (5-0-5)

Prerequisite: FRE 305 or permission of instructor.

Subject matter is announced when the course is offered. Subjects include: Seventeenth, Eighteenth, and Nineteenth-Century Theatre; Nineteenth and Twentieth-Century Fiction.

FRE 402—Special Author (5-0-5)

Prerequisite: FRE 305 or permission of instructor.

Subject matter is announced when the course is offered. Authors include: Flaubert, Hugo, Zola, Malraux.

FRE 490—Independent Study (1-5)-0-(1-5)

Prerequisites: FRE 305 or approval of instructor.

Transient students may take this course only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

GER 101-102-103—Elementary German One, Two, Three (5-0-5)

Offered each year.

Elements of reading and writing; basic vocabulary; simple conversation; essentials of grammar.

GER 201—Intermediate German (5-0-5)

Prerequisite: Three quarters of college German or three years of high school German. Con-

tinued emphasis on reading of text as well as on oral and composition skills.

GER 300—Special Topics in the German Language (5-0-5)

Prerequisite: GER 201.

Readings in the various uses of German, from the popular to the literary, throughout the history of the language.

GER 305—Special Topics in German Literature (5-0-5)

Prerequisite: GER 201.

Subject matter is announced when the course is offered. Topics include: surveys of Eighteenth, Nineteenth, and Twentieth Century German literature.

GER 351-352-353—Study Abroad in Germany (V-V15)

Prerequisite: GER 103.

A summer quarter's residence and study in Germany in conjunction with the Studies Abroad Program of the University System of Georgia. The program lasts for 8-9 weeks. The student receives intensive instruction in language and culture and participates in University sponsored activities.

GER 401—Special Genre (5-0-5)

Prerequisite: GER 305 or permission of instructor.

Subject is announced when the course is offered. Subjects include: Mediaeval Poetry; Prose, Poetry, and Drama in the 17th and 18th Century; the Novella in the 19th Century; 20th Century Prose.

GER 402—Special Author (5-0-5)

Prerequisite: GER 305 or permission of instructor.

Subject is announced when the course is offered. Authors include: Grimmshausen, Goethe, Schiller, Thomas Mann, Kafka, Grass.

GER 490—Independent Study (1-5)-0-(1-5)

Prerequisite: Approval of instructor or GER 201. Transient students may take this course only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

LAT 101-102-103—Elementary Latin One, Two, Three (5-0-5)

Three courses offered each year.

Essentials of grammar; readings from selected Latin authors.

LAT 201—Intermediate Latin (5-0-5)

Prerequisite: Three quarters of college Latin or three years of high school Latin.

Further readings in Latin literature with special emphasis on Vergil and Ovid.

LAT 300—Readings in Latin (5-0-5)

Prerequisite: LAT 201.

Readings from the 2,000 years of Latinity from Plautus to the recent encyclical.

LAT/CLA 351-352-353—Study Abroad in Rome and Athens (V-V-15)

A summer quarter's residence and study in Rome and Athens in conjunction with the Studies Abroad Program of the University System of Georgia. Taught in English. Through visits to monuments, museums, and classical ruins, and on excursions to Crete, Delphi, Ostia, Tivoli, Tarquinia, and Fieschi the student experiences first hand the reality of life in the ancient world.

LAT 396—Latin Language and Culture in Rome (15-0-15)

Summer. Prerequisite: LAT 201 or the equivalent.

Classes meet in Rome for 3 hours a day, 5 days a week, for 7 weeks, to speak, read, and hear Latin. Students practice composition outside of class and travel to places of cultural significance.

SPA 101-102-103—Elementary Spanish One-Two-Three (5-0-5)

Offered each year.

Provide the student with the elements of Spanish reading, composition, and conversation.

SPA 201—Intermediate Spanish (5-0-5)

Prerequisite: Three quarters of college Spanish or three years of high school Spanish. Continued emphasis on reading of texts as well as oral and composition skills.

SPA 300—Special Topics in the Spanish Language (5-0-5)

Prerequisite: SPA 201.

Advanced analysis and examination of the structure and grammar of the Spanish language stressing oral usage.

SPA 305—Special Topics in Spanish Literature (5-0-5)

Prerequisite: SPA 201.

Subject is announced when the course is offered. Topics include: surveys of Nineteenth and Twentieth-Century literature selected to enlighten student awareness of the heritage and development of Spanish letters.

SPA 309—Conversational Spanish (5-0-5)

Prerequisite: SPA 201 or permission of instructor.

This course focuses on the practicality of the Spanish language in true-to-life conversation and situations. Emphasis is given to communicative activities that provide a cultural background of Spain and Latin American countries. The course is directed towards oral proficiency.

SPA 351-352-353—Study Abroad in Spain (V-V-15)

Prerequisite: SPA 103.

A summer quarter's residence and study in Spain in conjunction with the Studies Abroad Program of the University System of Georgia. Lasts for 8-9 weeks. Students receive intensive instruction in language and culture complemented by a number of excursions.

SPA 401—Special Genre (5-0-5)

Prerequisite: SPA 305 or permission of instructor.

Subject is announced when the course is offered. Genres include: Nineteenth and Twentieth Century Spanish and Latin American novels, short stories, and poetry.

SPA 402—Special Author (5-0-5)

Prerequisite: SPA 305 or permission of instructor.

Subject is announced when the course is offered. Authors include: Carlos Fuentes, Garcia Marquez, Alejo Carpentier, Frederico Garcia Lorca, Miguel de Unamuno.

SPA 490—Independent Study (1-5)-0-(1-5)

Prerequisites: Approval of instructor and SPA 201. Transient students may take this course only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Journalism Offerings

JRN 343—Journalistic Writing and Editing (5-0-5)

Winter. Prerequisite: ENG 201.

Investigation of and intensive practice in the techniques of modern journalism with emphasis on writing and editing for newspapers and magazines.

JRN 347—Basic TV Production (2-9-5)

Alternates with DRS 400, Spring, Fall. Same as DRS 347.

A study of the theory and practice of television production styles, forms, and concepts, with special emphasis on the critical appreciation of electronic communication techniques.

JRN 350—Film as an Art (5-0-5)

Spring. Same as FLM/DRS 350.

Study of film with emphasis on critical appreciation of film as an art form.

JRN 400—Topics in Journalism (5-0-5)

Fall. Prerequisite: JRN 340 or 343 or permission of instructor.

A seminar on the impact of the media on the world today. Topics include rights and responsibilities of journalists, censorship, media control, propaganda, and other current issues.

Linguistics Offerings

LIN 370—Advanced Composition (5-0-5)

Alternates with ENG 371, Fall. Prerequisite: ENG 201 or consent of instructor. Same as ENG 370.

A study of expository and report techniques.

LIN 380—Advanced Grammar (5-0-5)

Alternates with ENG 382, Spring. Same as ENG/LIN 380.

A study of current approaches to grammar (including generative transformational); phonology, morphology, and syntax will be studied.

LIN 382—History of the English Language (5-0-5)

Alternates with ENG 380, Spring. Same as ENG/LIN 382.

LIN 400—Topics in Linguistics (3-0-3)

Prerequisite: ENG—LIN 380 or 382 or permission of the instructor.

A seminar in subjects of interest in both theoretical and applied linguistics. Topics are announced. The course may be taken more than once for credit as topics change.

Philosophy Offerings

Please Note: ENG 101 is prerequisite: to all following PHI courses.

PHI 201—Introduction to Philosophy (5-0-5)

The fundamentals of philosophy, the meaning and function of philosophy, and the vocabulary and problems of philosophy. Includes a survey

of the basic issued and major types of philosophy and shows the sources in experience, history, and representative thinkers.

PHI 301—History of Philosophy; Ancient and Medieval (5-0-5)

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Middle Ages, with emphasis on selected works of major philosophers.

PHI 302—History of Modern Philosophy (5-0-5)

European philosophy from the Renaissance through Kant, emphasizing selected works of major philosophers.

PHI 303—19th and 20th Century Philosophy (5-0-5)

A study of the major philosophers in philosophical movements of the 19th and 20th centuries.

PHI 400—Special Topics (1-5)-0-(1-5)

Offered on demand. Prerequisite: One 200 or 300 philosophy course.

Subject is announced when the course is offered. Current courses: Aesthetics, Philosophy of Religion, Ethics, Nietzsche.

PHI 490—Independent Study (1-5)-0-(1-5)

Offered on demand. Prerequisite: Senior status and one 300-philosophy course.

The student, with the advice and consent of this supervising professor and of the department head, selects the topic for supervised independent study and submits a prospectus for department approval before the quarter in which the course is to be taken. Transient students may take this course only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Graduate Program and Courses

Coordinator: Dr. Robert Strozier

Objectives

The Department of Languages, Literature, and Dramatic Arts offers graduate courses as a support service for several graduate degree programs, English teachers, elementary, and middle school teachers, and teachers seeking

certificate renewal. These courses also offer opportunity for professional growth and cultural enrichment for individuals who hold a Bachelor's degree but do not wish to pursue a graduate degree.

OFFERINGS

All courses are open to undergraduate and graduate students.

Drama/Speech and Drama/Speech—Film Offerings

DRS/FLM 351/551—Film and Literature (5-0-5)

Studies in the translation of literature to film with emphasis on the differences of the media in form, content, and perception.

DRS 450-451-452/650-651-652—Summer Theater (5-15-5)

English Offerings

ENG 333/533—American Literature to 1830 (5-0-5)

ENG 334/534—American Literature: Emerson through Twain (5-0-5)

ENG 335/535—American Literature: Naturalism to the Present (5-0-5)

ENG 341/541—Early British Literature Through 1603 (5-0-5)

ENG 345/545—Shakespeare I (5-0-5)

ENG 346/546—Shakespeare II (5-0-5)

ENG 347/547—British Literature: 17th Century (5-0-5)

ENG 350/550—British Literature: 1600-1800 (5-0-5)

ENG 352/552—19th Century I: British Romantic Poetry and Prose (5-0-5)

ENG 353/553—19th Century II: British Victorian Poetry and Prose (5-0-5)

ENG 354/554—20th Century: British Poetry and Prose (5-0-5)

ENG 400/600—Special Topics (5-0-5)

ENG 401/601—Special Genre (5-0-5)

ENG 402/602—Special Author (5-0-5)

Mathematics and Computer Science

Faculty

Wheeler, Ed, Department Head
 Barnard Jane
 Findeis, John
 Hansen, John
 Harbin, Mickie Sue
 Hudson, Anne
 Hudson, Sigmund
 Kilhefner, Dale
 Munson, Richard
 Norwich, Vicki
 Shipley, Charles

Graduate Faculty

The Mathematics and Computer Science Department offers a wide range of services to the ASC student. Several introductory courses are available both to satisfy the general education needs of the student and to satisfy prerequisites in the major program. A minor program in either mathematics or computer science can be designed to complement the rest of a student's program. A major in the mathematical sciences allows the student to choose from among four options; a flexible computer science major meets the needs of students with a number of different interests.

The Mathematical Sciences Major: Option 1 of this major is entitled "Mathematics" and prepares students intending to pursue graduate studies in mathematics. Option 3 is entitled "Mathematics Education" and prepares students to teach in public and private secondary schools. This option is an approved program for the Georgia Teacher's Professional Four Year Certificate (T-4). Option 4 is entitled "Computer Science" and is available for students who desire a dual concentration in mathematics and computer science.

The most flexible of the four options is Option 2 entitled "Applied Mathematics." This option is a good choice for students preparing for a variety of careers in business and industry, intending to attend graduate school in a quantitative area such as biostatistics, economics, or operations research, or wishing to participate in a Dual-Degree Program in engineering.

The Computer Science Major: In recent years this major has equipped many students to step into a broad spectrum of jobs in the computer industry. The degree features a core of courses designed to provide a solid foundation in theoretical computer science as well as practical programming experience. Degree options beyond the core include a sequence permitting specialization in data management systems and software engineering and a sequence in computer systems. Additional breadth is available through electives in Communication and Networks, Compiler Theory, C Programming under UNIX (tm), and a topics course that is constantly changed to keep students on the forefront of knowledge. A variety of internships and cooperative education placements provide students with opportunities for practical experience in the discipline.

Co-ops and Internships: Students in the mathematical sciences and computer science are able to compete for cooperative education positions and internships at major Savannah employers such as Gulf Stream, Savannah Foods, SEPCO and Union Camp. Such positions provide students invaluable opportunities to acquire practical experience that complements their classroom experience.

The Dual Degree Program: Under arrangements with Georgia Tech students may in five years of study earn simultaneously the BS degree in the mathematical sciences from Armstrong and the Bachelor's degree in any one of a number of fields of engineering from Georgia Tech. Armstrong participates in similar programs with other major universities. Students considering this option should contact an advisor in the Mathematics and Computer Science Department as soon as possible.

Minors: Students in any major program whatever (either two year or four year) can augment their major with a minor in mathematics or a minor in computer science.

The minor in mathematics requires MAT 206, 207, 208, and ten additional quarter hours chosen from MAT 216, MAT 260 and 300-400 level mathematics courses (excluding MAT 391 and MAT 393).

The minor in computer science consists of the courses CS 142, CS 231, CS 242, CS 301 and CS 308.

Special Academic Regulations:

1. To earn the BS degree in the mathematical sciences or computer science, a student must successfully complete with a grade of

C or better all mathematics and computer science courses in area IV of the core and all courses in Section B, Courses in the Major Field.

2. To fulfill the prerequisites for any mathematics or computer science course one must obtain a grade of "C" (or above) in each prerequisite course except Mathematics 101.

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE WITH A MAJOR
IN MATHEMATICAL SCIENCES**

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 103, 206.....	10
2. One of the sequences: BIO 101, 102; CHE 128, 129 (required for dual degree students); PHY 217, 218	10
Area III	20
1. HIS 114 or 191, 115 or 192	10
2. POS 113 and one course selected from: PSY 101 (required for math education option); SOC 201; ECO 201, 202; ANT 201... ..	10
Area IV	30
1. CS 142	5
2. MAT 207, 208, 216, 260	20
3. HIS 251 or 252.....	5
Area V	6
1. PE 117 and 103 or 108.....	3
2. Three activity courses.....	3
B. Major Field Requirements.....	30
Option One—Mathematics:	
1. MAT 309, 311, 401	
2. One of MAT 317, 402, or 416	
3. Additional approved electives in mathematics	
Option Two—Applied Mathematics	
1. MAT 321, 341	
2. One of CS 231, 246, 242	
3. One of MAT 311, 317, 401, 416	
4. Additional courses from: MAT 309, 317, 322, 342, 346, 353, 401, 406, 490	

Option Three—Mathematics Education

- 1. MAT 311, 321, 336
- 2. MAT 416 or 470
- 3. Additional approved mathematics electives

Option Four—Computer Science

- 1. MAT 321
- 2. Two of MAT 322, 341, 342, 346, 353
- 3. CS 242, 301, 305

C. Courses Related to Major 25

Option One—Mathematics

- 1. Language or approved computer science 10
- 2. Approved electives from mathematics or related field 15

Option Two—Applied Mathematics

One of the following sequences:

- 1. PHY 217, 218, 219 with additional approved electives in chemistry, physics, or engineering
- 2. ACC 211, 212 and ECO 201, 202, 330
- 3. Approved computer science courses
- 4. Approved biology courses including BIO 370 or 480
- 5. Approved chemistry courses

Option Three—Mathematics Education

- 1. PSY 301 or EDU 302
- 2. EDN 200, 441, EXC 410, EDU 335

Option Four—Computer Science

- 1. CS 312, 360 and approved electives in computer science

D. Electives 40

Students in Options 1, 2, and 4 may choose any electives. Students in option 3 must use these hours to complete student teaching and special area requirements.*

E. Regents' and Exit Examinations

TOTAL 191

* Mathematics education students must select one elective from each of the following blocks of courses:

- A. ART 200, 271, 272, 273; MUS 200; DRS 228
- B. ANT 201, ECO 201, SOC 201

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE WITH A MAJOR
IN COMPUTER SCIENCE**

	Hours
1. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 103, 206	10
2. One of the sequences: BIO 101, 102; CHE 128, 129; PHY 217, 218	10
Area III	20
1. HIS 114 or 191, 115 or 292	10
2. POS 113 and one of the courses: PSY 101; SOC 201; ECO 201, 202; ANT 201	10
Area IV	30
1. MAT 207, 265	
2. CS 142, 231, 242	
3. HIS 251 or 252	
Area V	6
1. PE 117 and 103 or 108	3
2. Three activity courses	3
3. Major Field Requirements	45
1. CS 301, 305, 308, 312, 342	
2. One of the following sequences: a. CS 331, 431 and one of CS 434 or 401	
b. CS 360, 401 and one of 402 or 445	
3. Five quarter hours of approved computer science electives	
2. Related Field Requirements	25
1. ENG 344	
2. MAT 321	
3. On course from MAT 208, 216, 322, 346, 353	
4. Two additional approved electives from quantitative and scientific disciplines	

D. Electives	25
E. Regents' and Exit Examinations	

OFFERINGS

Mathematics Offerings

MAT 101—College Algebra (5-0-5)

Fall, Winter, Spring, Summer.

Real number arithmetic; polynomial and rational expressions; linear and quadratic equations; functions and graphs; inequalities; absolute value; sequences and summation notation; matrices, determinants, and systems of equations; the binomial theorem; techniques of counting and elementary probability.

Placement recommendation: MAT 101 is the gateway course to the college level curriculum in mathematics. Before enrolling in MAT 101 some students should reinforce their mathematics skills by completing a course in the developmental studies curriculum (DSM 99). Specifically, if a student falls into any one the following categories, the student should consider enrolling in DSM 99.

- The student did not complete two years of algebra and one year of geometry in high school.
- The student made below 420 on the mathematics portion of the SAT examination.
- Five or more years have elapsed since the student completed a mathematics course.

MAT 103—Pre-Calculus Mathematics (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: MAT 101, a score of at least 550 on the mathematics portion of the SAT, or permission of the department head.

Functions: polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric; trigonometric identities; law of sines and cosines; complex numbers.

MAT 195—Applied Finite Mathematics (5-0-5)

Spring. Prerequisite: MAT 101.

A survey of finite mathematics, including mathematics of finance, probability, linear programming, and an introduction to games and decisions; applications are stressed throughout.

MAT 206—Calculus I (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: MAT 103, a score of at least 600 on the mathematics portion of the SAT, or permission of the department head.

Functions; the derivative and its applications, antidifferentiation; the definite integral.

MAT 207—Calculus II (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: MAT 206.

Techniques and applications of integration; conic sections and polar coordinates.

MAT 208—Calculus of Several Variables I (5-0-5)

Fall, Winter, Spring. Prerequisite: MAT 207.

Parametric curves and vectors in the plane; indeterminate forms. Taylor's formula, and improper integrals; infinite series; vectors, curves, and surfaces in space; partial differentiation.

MAT 216—Linear Algebra (5-0-5)

Prerequisite: MAT 207.

Linear systems and matrices; vector spaces; linear independence, rank of a matrix; linear transformations; determinants; introduction to eigenvalues and eigenvectors; diagonalization; applications.

MAT 220—Elementary Statistics (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: MAT 101.

Measures of central tendency and dispersion; probability distributions; inferences concerning means; analysis of variance; correlation; linear regression.

MAT 260—Introduction to Mathematical Proof (5-0-5)

Winter. Prerequisites: MAT 207.

Elementary logic, sets, functions and relations, methods of proof including induction, and selected topics from abstract algebra.

MAT 265—Discrete Mathematics for Computer Science

Prerequisites: MAT 103 and CS 142.

Elementary logic; naive set theory; relations and functions; graphs; finite automata; Turing machines; formal languages and grammars.

MAT 290—The Spirit and Structure of Mathematics (5-0-5)

Fall, Winter, Spring. Prerequisite: MAT 101.

A terminal course of selected topics designed to portray the history, philosophy, and aesthetics of mathematics, and to develop an appreciation of the role of mathematics in western thought and contemporary culture.

MAT 309—Calculus of Several Variables II (5-0-5)

Fall, Spring. Prerequisite: MAT 208.

Multiple integrals and their applications; vector fields; line and surface integrals; Green's theorem; the Divergence theorem; Stokes theorem; differential equations.

MAT 311—Abstract Algebra (5-0-5)

Prerequisites: MAT 208, 260.

Elementary properties of integers; groups, rings, and fields; mappings, homomorphisms, kernels, and quotient structures.

MAT 317—Advanced Linear Algebra (5-0-5)

Prerequisites: MAT 216, MAT 260.

Abstract vector spaces, linear transformations, eigenvectors and eigenvalues, diagonalization, inner product spaces, real quadratic forms.

MAT 321—Probability & Mathematical Statistics (5-0-5)

Prerequisites: MAT 207, MAT/CS 260.

Data collection, organization, and description; probability; random variables; discrete and continuous probability distributions; Central Limit Theorem; point and interval estimation; tests of hypotheses; simple linear regression and correlation.

MAT 322—Probability & Mathematical Statistics II (5-0-5)

Prerequisite: MAT 321.

Analysis of variance; nonlinear and multiple regression; chi-square tests for categorical data; nonparametric methods; Bayesian inference. This course uses statistical packages to analyze data sets.

MAT 336—Modern Geometry (5-0-5)

Fall (odd years). Prerequisites: MAT 208, 260.

A survey of topics from Euclidean geometry.

MAT 341-342—Differential Equations I, II (5-0-5)

341-Winter; 342-Spring. Prerequisite: MAT 208.

Ordinary differential equations; series solutions; systems of first order differential equations; the Laplace transform; introduction to Fourier series; partial differential equations; Sturm-Liouville theory; applied problems; numerical solutions with emphasis on computer aided solution.

AT 346—Mathematical Modeling and Optimization (5-0-5)

Prerequisites: MAT 321.

Design, solution, and interpretation of mathematical models of problems in the social, life, and management sciences. Topics chosen from linear programming, dynamic programming, scheduling theory, Markov chains, game theory, queueing theory, inventory theory, and computer based simulation. Various projects are assigned which require computer software packages for solution.

AT 353—Numerical Analysis (4-3-5)

Prerequisites: MAT 207 and CS 120 or 142.

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

AT 360—Mathematical Logic (5-0-5)

Prerequisites: MAT 207, 260.

The elementary statement and predicate calculus; formal systems; applications of logic in mathematics.

AT 391—Mathematics for the Elementary School Teacher (5-0-5)

Prerequisite: MAT 101 and admission to Teacher Education.

A study of the mathematics in the elementary curriculum, with emphasis on appropriate methods of teaching for understanding through active involvement of the learner. Frequent use of wide range of concrete manipulatives to embody concepts in arithmetic of whole numbers and fractions and in geometry and measurement. Directed field experience. (Credit will not apply toward a degree in the mathematical sciences.)

AT 393—Teaching of Middle School/General Mathematics (5-0-5)

Prerequisite: Ten quarter hours of college mathematics numbered 101 or above and Admission to Teacher Education.

Problems of teaching traditional topics, such as fractions, decimals, percentage, measure-

ment (especially in the metric system), and informal geometry. Emphasis on incorporating drill and practice in necessary skills with fresh topics like probability and statistics, and with appropriate games and laboratory activities. (Credit will not apply toward a degree in the mathematical sciences.)

MAT 400—Putnam Seminar (0-2-1)

Fall. Prerequisites: MAT 208, 260.

A variety of mathematical problems, considered with the aim of developing problem solving techniques.

MAT 401-402—Advanced Calculus I, II (5-0-5)

Prerequisites: MAT 208, 260.

The real number system; sequences; limits of functions; the Bolzano-Weierstrass theorem; compactness; uniform continuity; the derivative; the Riemann integral; Euclidean n -space; sequences of functions; the Weierstrass approximation theorem; series; elementary functions.

MAT 406—Functions of a Complex Variable (5-0-5)

Prerequisites: MAT 208, 260.

Complex numbers; elementary functions and transformations; the Cauchy theory; conformal mapping; Riemann's mapping theorem.

MAT 416—Theory of Numbers (5-0-5)

Prerequisites: MAT 208, 260.

Divisibility and congruence; diophantine equations; distribution of prime numbers; famous unsolved problems; number-theoretic functions and their applications; Theorems of Fermat and Euler; quadratic reciprocity; selected topics from algebraic and analytic number theory.

436—Topology (3-0-3)

Prerequisite: MAT 401.

Topological spaces and homeomorphisms; separability; compactness; connectedness; completeness; metrizability; introduction to homotopy theory.

MAT 470—History of Mathematics (5-0-5)

Prerequisites: MAT 208, and six quarter hours of mathematics courses with course numbers greater than 309.

A survey of the development of mathematics from its empirical beginnings to its present state.

MAT 490—Special Topics (1-5)-0-(1-5)

Offered by special arrangement. Prerequisites: Consent of the instructor and permission of the department head.

Individual readings and research under the direction of a member of the mathematics faculty.

MAT 496-497-498—Internship in Mathematics ((0-1)-(12-15)-5)

Offered by special arrangement. Prerequisite: Permission of the department head.

Experience, in a variety of mathematical applications suited to the educational and professional aspirations of the student, under the direction of the faculty and appropriate off-campus supervisory personnel. (Open to transient students only with permission of the Dean of Faculty at Armstrong and that of the appropriate official of the college from which the student comes.)

Computer Science Offerings

CS 115—Introduction to Computer Concepts and Applications (4-3-5)

Fall, Winter, Spring, Summer. Prerequisite: MAT 101.

The study of hardware and software components of computers, elementary programming, and the impact of the computer on society. Discussion of the capabilities and the limitations of computers, and the kinds of problems that are best solved by computers. Experience with developing and modifying algorithms to solve such problems. Emphasis on the major uses of computers. This course is designed for the non-computer science major. It may not be applied as part of a language sequence.

CS 120—Introduction to BASIC Programming (4-3-5)

Prerequisite: MAT 101.

BASIC programming and program structure; elementary logic and Boolean algebra; algorithms; flow charts; debugging; computer solutions of numeric and non-numeric problems; characteristics and applications of computers in modern society. (Credit will not apply toward a degree in computer science.)

CS 136—RPG Programming (4-3-5)

Prerequisite: CS 120 or 142.

Introduction to the language and programming applications for small computer systems using RPG.

CS 142—Introduction to Programming Principles with Pascal (4-3-5)

Fall, Winter, Spring, Summer. Prerequisite: MAT 101.

Structured programming; the Pascal programming language; basic syntax, input/output debugging, functions and procedures, fundamental data types.

CS 225—Statistical Programming for the Social Sciences (3-4-5)

Winter (odd years). Prerequisites: MAT 220 or 321 and CS 120 or 142.

Uses of computers in statistical analysis, including the study of statistical methods, the programming of statistical analyses, and data analysis using packaged systems.

CS 231—Programming Principles with COBOL (4-3-5)

Fall, Spring. Prerequisite: CS 142.

The COBOL programming language: basic syntax, input-output, debugging, table handling, sorting, searching, sequential and random file manipulation, structured programming for COBOL; JCL for COBOL programs.

CS 242—Advanced Programming Principles with Pascal (4-3-5)

Fall, Winter, Spring. Prerequisites: MAT 101 and CS 142.

Advanced programming concepts in Pascal: recursion, variant records, record-oriented input/output and dynamic structures associated with pointers such as linked lists, queues, stacks and trees.

CS 246—Fortran Programming (4-3-5)

Prerequisites: MAT 103 and CS 120 or 142.

Algorithmic processes of computer problem solving in a scientific context; elementary logic and Boolean algebra; FORTRAN programming language: syntax, arrays, input/output, subroutines, functions.

CS 296—Computer Literacy for Educators (2-3-3)

Winter. Prerequisites: MAT 101 and admission to Teacher Education.

The study of hardware and software components of computers, elementary programming and the impact of computers on curriculum. Discussion of the capabilities and limitations of computers, and the kinds of problems that are best solved by computers. Experience with developing and modifying algorithms to solve such problems. Emphasis on instructional uses of n

romcomputers. This course is designed for the on-computer science major. It may not be applied as part of a language sequence.

S 301—Computer Organization and Programming (4-3-5)

Fall, Spring. Prerequisites: CS 231 or CS 242. Introduction to systems programming via in-depth coverage of assembler programming; operating systems; addressing techniques; internal storage structure; machine-level representation of instructions and data; subroutines; COBOL; linkers and loaders; macro-facilities; mass data storage facilities.

S 305—Computer Systems (5-0-5)

Prerequisite: CS 301. Hardware and software components of digital computing systems, with emphasis on system software and details of hardware organization. Topics include system structure, data representation, processors, control, storage, input/output interrupts and microprogramming.

S 308—Introduction to File Processing (0-0-5)

Fall, Spring. Prerequisites: CS 231 and CS 312.

An introduction to the concepts and techniques of structuring data on bulk storage devices; foundation for applications of data structures and file processing techniques.

S 309—File Processing with COBOL (0-3-5)

Prerequisite: CS 308. COBOL programming techniques for processing sequential, indexed (ISAM and VSAM), direct and relative files; control language used for the execution of file processing programs; utility programs for effective file processing.

S 312—Algorithms and Data Structures (0-3-5)

Prerequisites: CS 242, 260, 301. Internal representation for arrays, queues, trees, stacks, graphs, and lists; algorithms for the manipulation of data structures; complexity analysis of algorithms; concepts related to the interaction between data structures and storage structures for the generating, developing and processing of data; algorithms for memory management.

S 331—Systems Analysis and Design (0-4-5)

Winter. Prerequisite: CS 308 and ENG 344. Principles and methodology of structured sys-

tems analysis and design, including personnel and machine requirements, system specifications, analysis and design tools and techniques, system life cycle management. A student project which implements these techniques will be required.

CS 342—Comparative Languages (4-3-5)

Prerequisites: CS 242, 260, 301.

Comparative study of programming languages including facilities for recursion, procedures, storage allocation techniques, string processing, and passing of parameters.

CS 346—'C' Programming under UNIX (tm) (4-3-5)

Prerequisite: CS 342.

The 'C' programming language: basic syntax, types, operators and expressions, statements, modular programming, arrays, structures, unions and pointers. UNIX (tm) system programming techniques: I/O forking, pipes, signals, interrupts. Software tools: macros, conditional compilation, passing values to the compiler, lint, symbolic debugging, source code control, libraries.

CS 353—Numerical Analysis (4-3-5)

Prerequisites: MAT 207 and CS 142.

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

CS 360—Computer Logic Design (5-0-5)

Prerequisites: CS 260 and 305.

Theory and design of digital logic systems at the gate level. A variety of techniques for the reduction of digital circuits will be studied.

CS 400—Programming Seminar (0-2-1)

Fall. Prerequisite: CS 242.

A variety of programming problems, considered with the aim of developing problem solving techniques.

CS 401—Operating System Concepts I (5-0-5)

Winter. Prerequisite: CS 312, CS 305.

Design and analysis of operating systems; process management; memory management; processor management; auxiliary storage management.

CS 402—Operating System Concepts II (5-0-5)

Prerequisites: CS 401 and an elementary knowledge of 'C'.

Case studies of UNIX and/or similar operating systems.

CS 411—Data Communications and Computer Networks (5-0-5)

Prerequisite: CS 305.

Communications media; codes; data transmission, multiplexing; protocols; layered networks.

CS 431—Data Base Systems (5-0-5)

Fall. Prerequisites: ENG 344, CS 308, 312.

Information analysis and logical design of information systems and data bases; consideration of hardware, access methods, management, and control functions, communicating with the data base, and integrated systems.

CS 434—Introduction to Software Engineering (3-4-5)

Spring. Prerequisite: CS 312, CS 331, CS 342.

Principles and techniques of designing and developing engineered software, including program structures, design specifications, resource limitations, reliability, correctness, debugging, testing, modular program construction and user interfaces. A student project which implements these techniques will be required.

CS 445—Compiler Theory (4-3-5)

Prerequisites: CS 312, 342.

Study of programming language translation and basic compiler implementation techniques. Formal grammars and languages; specification of syntax and semantics; lexical analysis; parsing; semantic processing.

CS 490—Special Topics in Computer Science ((0-5)-(0-15)-(1-5))

Prerequisites: Consent of the instructor and permission of the department head.

Selected topics in some area of current interest in computer science; possible areas include system simulation, graphics, and microcomputers.

CS 496-497-498—Internship in Computer Science ((0-1)-(12-15)-5)

Offered by special arrangement. Prerequisite: Permission of the department head. May not be taken concurrently.

Experience, in a variety of computing environments suited to the educational and profes-

sional aspirations of the student, under the direction of a member of the faculty and appropriate off-campus supervisory personnel.

Graduate Program and Courses

Coordinator: Dr. Dale Kilhefner

Objectives

The Department of Mathematics and Computer Science, in cooperation with the School of Education, offers a program of study leading to the degree of Master of Education. The objectives of this program are:

1. To enhance the academic and professional competence of mathematics teachers in secondary schools.
2. To develop the skills, confidence, enthusiasm, and understanding that such teachers need in order to meet the present scientific and technological challenges of modern society.
3. To acquaint secondary mathematics teachers with the various major branches of mathematics which are relevant to modern secondary mathematics curricula.

Advisement

Shortly after being admitted to the MEd degree program in mathematics, each student will be assigned an advisor. Upon notification of this assignment, the student should arrange for a conference and begin planning a degree program. Failure by the student to consult regularly may greatly lengthen the time necessary to complete the program.

Transfer of Courses

Students who wish to transfer graduate credit for courses taken at other institutions should note the general limitations and procedures in this graduate catalog. Such transfer of credit handled on an individual basis and requires the written approval of the student's advisor, the department head, and the appropriate dean.

Comprehensive Examinations

During their final quarter, students are required to pass an oral comprehensive examination, covering the areas in which they have

d course work. Students exempting the calculus or geometry course will be expected to demonstrate proficiency in these areas on the comprehensive examinations. Students should notify their advisor and the department head, no later than midterm of their next-to-final quarter, their intention to take the comprehensive examination during the following quarter.

The committee administering this comprehensive examination will consist of three members of the graduate faculty of the Department of Mathematics and Computer Science chosen by the department head, and one member of the graduate faculty of the School of Education chosen by the Department of Secondary Education. The department head will notify the student of the proposed time, date, and place of the examination, and the composition of the committee.

Students who fail the oral comprehensive examination may request to take a written comprehensive examination one time during the same quarter. Passing the written examination will satisfy the comprehensive examination requirement. Students who fail should contact their advisor to plan remedial action. All comprehensive examinations beyond the first will be written examinations. Student may not take written comprehensive examinations twice in consecutive quarters.

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION WITH A MAJOR IN MATHEMATICS (with T-5 certification)

	Hours
Mathematics Courses (not to include MAT 592).....	35
1. MAT 703.....	5
2. MAT 536 or 630 (536 is required if student has not taken Euclidean geometry).....	5
3. One course from: MAT 593, 796, 797.....	5
4. Electives (with advisor consultation).....	20
Professional Education Courses.....	20
1. EDN 722, 731, 771.....	15
2. EDN 741.....	5
Approved Electives (graduate science encouraged).....	5
TOTAL	60

Special Note: The requirement for exceptional children (EXC 622) must be met either at the

graduate or undergraduate level. Meeting this or any special need will require additional hours beyond the basic sixty.

OFFERINGS

All graduate MAT courses, with the exception of 550, 592, and 593 require at least twenty-five hours of college mathematics at or beyond the level of calculus, including at least one course in which writing of deductive proofs is required. Additional prerequisites for some courses appear with the course description.

MAT 521—Probability & Mathematics Statistics (5-0-5)

(See MAT 321 for course description.)

MAT 536—Modern Geometry (5-0-5)

A survey of topics from Euclidean geometry.

MAT 546—Mathematical Modeling and Optimization (4-0-4)

(See MAT 346 for course description.)

MAT 550—Principles of Computer Science (4-3-5)

Prerequisite: Ten hours of college mathematics.

BASIC syntax, algorithms, flow diagrams, debugging. Internal representation of data and instructions, elementary circuits. Programming problems and applications for the mathematics teacher.

MAT 553—Numerical Analysis (4-3-5)

Prerequisite: CS 120 or 142 or MAT 550.

(See MAT 353 for course description.)

MAT 592—Modern Mathematics for Elementary Teachers (5-0-5)

A study of the mathematics content to be taught in the elementary school, with emphasis on current methods using concrete materials for teaching concepts, skills, and problem solving. (This course may not be counted as part of the 35 hour mathematics requirements.)

MAT 593—Teaching of Middle School/General Mathematics (5-0-5)

Problems of teaching traditional topics such as fractions, decimals, percentage, measurement (especially in the metric system), and informal geometry. Emphasis on incorporating drill and practice in necessary skills with fresh topics like probability and statistics, and with appropriate games and laboratory activities. Students will become familiar with relevant literature by helping to construct a resource list.

MAT 606—Functions of a Complex Variable (5-0-5)

(See MAT 406 for course description.)

MAT 616—Theory of Numbers (5-0-5)

(See MAT 416 for course description.)

MAT 630—Transformation Geometry Via the Complex Numbers (5-0-5)

Algebraic operations on the complex numbers and their corresponding geometric interpretations; a characterization of isometries of the complex plane as translations, rotations, reflections and glide reflections; a study of isometries as groups; similarities; some classic theorems.

MAT 670—History of Mathematics (5-0-5)

(See MAT 470 for course description.)

MAT 695—Special Topics in Mathematics Education (5-0-5)

Selected topics in an area of mathematics education.

MAT 703—Analysis: Calculus in the first Three Dimensions (5-0-5)

A survey of the basic notions of differential and integral calculus for functions in dimensions one, two, and three. Development of the derivative as a linear operator. Special emphasis on application and mathematical modeling. Some knowledge of linear algebra is expected.

MAT 720—Applied Probability (5-0-5)

Review of elementary probability. Stochastic processes, Markov chains, game theory and simulation. Several applications are developed throughout the course. Some knowledge of elementary probability is expected.

MAT 796—Problem Solving (5-0-5)

Sharpening of problem solving skills; techniques for teaching problem solving; wide variety of problem solving strategies illustrated by problems, primarily using high school mathematics content.

MAT 797—Teaching of Algebra and Geometry (5-0-5)

Prerequisite: A college geometry course (undergraduate or graduate).

Major topics in algebra and geometry (such as functions, graphs, inequalities, proofs, constructions) and the problems in teaching them. Students will be expected to show mastery of the content and will make brief classroom presentations.

CS 596—Computer Literacy for Educators (4-3-5)

Prerequisite: College Algebra.

A study of the use of computers, with emphasis on instructional use. Hardware components of computers, programming, software evaluation and the impact of computers on the curriculum. Hands-on experience with the use of commercial packages and the creation of instructional software. This course may not be counted toward the M.Ed. in Mathematics.

Psychology

Faculty

Martin, Grace, Department Head
Adams, Joseph
Douglass, Keith
John, Beverly
Lane, Joseph
Palefsky, Elliot
Worthington, C. Stewart

Students are advised to complete as many of the general degree requirements as possible before entering their junior year. Psychology majors should take PSY 101 and 220 before the end of their sophomore years. Suggested course distributions and annual schedules are available in the department office. All students are urged to seek advisement with regard to degree requirements and scheduling.

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN PSYCHOLOGY

	Hour
A. General Requirements	9
Area I	2
1. ENG 101, 102 or 192, 201 or 292	1
2. One course selected from: PHI 201, 202	1
Area II	2
1. MAT 101 and 195 or 290	1
2. One of the sequences: CHE 121, 122, or PHS 121, 122	1
Area III	2
1. HIS 114 or 191, 115 or 192, POS 113	1

2. ECO 201 or SOC 201	5
Area IV	30
1. BIO 101, 102, MAT 220	15
2. HIS 251 or 252	10
3. PSY 101, ANT 201	10
Area V	6
1. PE 117 and 103 or 108	3
2. Three activity courses	3
Degree Requirements	65
1. PSY 220, 308, 312, 410 and 411, 412 or 413	25
2. Recommended selection of psychology courses	25
3. Foreign language or computer science sequence	15
Elective Courses	10-25
1. An appropriate minor or selected upper division courses	10-25
Unspecified	20
Regents' and Exit Examinations	0
TOTAL	191-206

Minor Concentrations

The Department of Psychology offers minors in the following five areas:

A. Psychology—which requires 20 credit hours of upper division work.

B. Mental Health—which requires PSY 210, 312, 315, 405, 406.

C. Organizational Psychology—which requires five of the following: PSY 202, 315, 320, 311, 322, 406.

D. Anthropology—which requires 20 hours of upper division anthropology credits.

E. Sociology—which requires SOC 201 and 312 credit hours of upper division work.

All minor concentrations require a grade of C or better in each course taken.

Anthropology Offerings

ANT 201—Humankind & Culture (5-0-5)

Each quarter.

The nature, causes and prospects of being human. A study of the biocultural nature of humans and the development of societies from the pre-literate beginnings through the rise of complex organization.

ANT 202—Human Evolution (5-0-5)

Offered on demand.

Survey of physical anthropology, including the fossil record, living primates, the evolution of pre-humans and humans, their ecology and cultures.

ANT/MPS 207—Introduction to Archaeology (5-0-5)

The introductory archaeology course consists of a history of the field, basic techniques, theoretical underpinnings, and examples of field work from all types of excavation. It covers the range from early man to industrial and urban archaeology in a general fashion. Analysis is introduced along with survey techniques, preservation, reporting and other skills. (Identical with MPS 207.)

ANT 305—Americans Called Indians (5-0-5)

Offered on demand. Prerequisite: ANT 201.

An investigation of the aboriginal cultures of North America from the Arctic to the Rio Grande. Study will include origins, distribution, ecology and interrelationships, past through present.

ANT 310—Anthropology of Sex and Gender (5-0-5)

Offered on demand. Prerequisite: ANT 201;

An examination of the cultural determinants of sex roles in selected world societies, past and present. The foci will be three anthropological analyses; economics and status; art and ritual; the structure of women's worlds.

ANT 400—Sorcery, Demons and Gods (5-0-5)

Offered on demand.

Anthropological analysis of religion as a universal category of culture. The supernatural will be considered: Mother goddesses myth, sorcery, shamanism, sacrifice and totemism. Belief systems in their sociocultural contexts will be emphasized.

ANT/MPS 401—Fieldwork in Historical Archaeology (0-20-10)

Summer. Prerequisite: MPS 207 or permission of instructor or director.

An introduction to and first application of archaeological methods to a specific field project. Excavation techniques, surveying and map making, data collecting and recording, archaeological photography, the identification and analysis of artifacts, and the interpretation of archaeological data will be presented in field and laboratory work as well as in lectures and read-

ings. (Identical with MPS 401.) (Under certain circumstances this course may be substituted in the Preservation Studies minor for MPS 498.) Course may be repeated for credit.

ANT/MPS 402—Practicum in Archaeological Analysis (2-6-5)

Fall. Prerequisite: permission of instructor or director.

The application of archaeological interpretative techniques to a specific site or analytical problem. Individual research projects in the interpretation of archaeological data and the conservation of artifactual finds with special attention to the care and storage of collections, display in the museum setting, and the presentation of archaeologically-derived information. (Identical with MPS 402.)

ANT/MPS 403—American Material Culture (4-2-5)

An introduction to the study of the non-literary remains of our society, past and present. Vernacular and polite architecture, ceramics, mortuary art, community and settlement patterns, diet, dress and disease are among the topics that will be discussed.

ANT/MPS 480—Special Topics in Archaeology (V-V-[1-5])

Prerequisites: ANT/MPS 207, ANT/MPS 401

The course is designed to offer a wide variety of experience to advanced, upper level students in archaeological techniques. Subject matter will center on such topics as archaeological graphics, faunal analysis (zooarchaeology), conservation, or involve some off-campus archaeological experience.

Psychology Offerings

PSY 101—General Psychology (5-0-5)

Offered each quarter.

An introduction to the vocabulary, concepts, and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite to all other courses in the department.

PSY 191—Honors General Psychology (2-3-5)

Prerequisites: SAT verbal of at least 550.

This course may be substituted for PSY 101 by qualified students. Course content is similar to PSY 101, but emphasis is on psychology as

a laboratory science. Students will conduct a variety of experiments and demonstrations and will write research reports on these topics.

PSY 210—Introduction to Clinical Psychology (5-0-5)

Prerequisite: PSY 101

A survey of behavioral problems, treatment modes, and theories.

PSY 220—Introduction to Psychological Research (4-2-5)

Prerequisite: PSY 101.

An introduction to scientific methodology and its application to behavior analysis. Various techniques of data collection and the statistical analysis of such data are emphasized.

PSY 295—Developmental Psychology (5-0-5)

Prerequisite: PSY 101.

A study of the origin and development of psychological processes from the life span perspective. The effects of genetic/maturation and socio-cultural/environmental factors on the development of behavior throughout the life span are included.

PSY 300—The Psychology of Aging (5-0-5)

Prerequisite: PSY 101.

An analysis of the aging process as physiological and biosocial change. Important adaptive aspects from health to economics will be considered with an emphasis on maintaining optimal quality of life.

PSY 301—Educational Psychology (5-0-5)

Prerequisite: PSY 101. Offered each quarter.

The application of behavioral science to the problem of learning in the classroom. Preparation for teacher preparation.

PSY 302—Psychological Testing (5-0-5)

Prerequisite: PSY 101

Survey of individual and group tests in psychological, educational, and clinical settings. Course focuses on the theoretical and statistical principles that underlie psychological and educational measurement. Standardized psychological instruments are critically analyzed. Ethical issues in psychological testing are considered.

PSY 303—Social Psychology (5-0-5)

Prerequisite: PSY 101.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effect on behavior.

PSY 304—Fundamentals of Counseling and Psychotherapy (5-0-5)

Prerequisite: PSY 101

A survey of personality theories and the behavior changing techniques arising from them. The emphasis will be on learning theory and environmental influences.

PSY 306—Independent Practicum

(1-V-[1-10])

Prerequisite: 25 hours of psychology.

Students may be given academic credit for supervised community work which meets appropriate performance criteria. Students will need prior departmental faculty approval of the work setting, goals, and supervision. A faculty advisor will be assigned to support and evaluate a student's work.

PSY 307—Perception (4-2-5)

Prerequisites: PSY 101, 220.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychological method.

PSY 308—Learning and Motivation (4-2-5)

Prerequisites: PSY 101, 220.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

PSY 309—Physiological Psychology (2-5)

Prerequisites: PSY 101, BIO 101-102.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSY 310—Psychology of Human Sexuality (2-5)

Prerequisite: PSY 101.

An examination of the developmental, physiological, clinical and social aspects of human sexuality. The emphasis of the course will be on the various components of human sexuality from a developmental perspective.

PSY 311—Theories of Personality (5-0-5)

Prerequisite: PSY 101.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSY 312—Measurement (5-0-5)

Prerequisite: PSY 220.

An examination of the theory of measurement. Reliability and validity techniques are discussed, using current psychological tests as examples.

PSY 315—Psychology of Conflict and Stress (5-0-5)

Prerequisite: PSY 101.

A study of the interactions between physiological and psychological processes in the development and maintenance of stress related disorders. Emphasis is on environmental factors and stress management techniques.

PSY 319—Animal Behavior (4-2-5)

Prerequisite: PSY 101.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide an introduction to animal care, training, and experimentation.

PSY 320—Industrial/Organizational Psychology (5-0-5)

Prerequisite: PSY 101.

A survey of applications of psychological principles to business and professional settings. Included are work motivation, goal setting, power politics, leadership and communication.

PSY 321—Psychology of Work Behavior (5-0-5)

Prerequisite: PSY 320.

A psychological analysis of issues related to the individual worker in industry and organizations. Included are employee selection, training strategies, performance evaluation and job satisfaction.

PSY 322—Psychology of Organizational Development (5-0-5)

Prerequisite: PSY 320.

Psychological principles applied to interpersonal and intergroup relations, organizational leadership, management of organizational change relating to the social environment and communication systems.

PSY 350—Cognitive Psychology (5-0-5)

Prerequisite: PSY 101.

A study of the issues related to the various models of human information processing with an emphasis on perceptual and linguistic development. Principles and applications derived from basic research will be included.

PSY 405—Behavior Disorders (5-0-5)

Prerequisite: PSY 101.

A study of the scientific and cultural bases of various conceptions of undesirable behavior. Application of principles derived from basic research will be emphasized.

PSY 406—Behavior Modification (5-0-5)

Prerequisite: PSY 101.

A study of proven methods of generating behavioral change, their empirical foundations and their applications in clinical, educational and social settings.

PSY 410—History and Systems of Psychology (5-0-5)

Open only to psychology majors or by invitation of the professor.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical basis at various times in the history of psychology.

PSY 411—Senior Seminar (5-0-5)

Open only to senior psychology majors or by invitation of the professor.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSY 412—Senior Project (V-V-5)

Prerequisite: Senior status.

Each student will work with a faculty member qualified in the student's area of interest. Work is to begin in the first quarter of the senior year (register for the quarter of expected completion). The student will produce a scholarly paper which must be acceptable to the departmental faculty.

PSY 413—Senior Internship (V-V-5)

Prerequisite: Senior status.

Students may petition the faculty to receive academic credit for an individually designed work experience in an applied setting. The sponsoring organization must provide a qualified supervisor. A faculty advisor will establish performance criteria and evaluate accordingly.

Sociology Offerings
SOC 201—Introductory Sociology (5-0-5)

Offered each quarter.

An introduction to the concept and methods of the science of human group behavior. Includes the study of socialization, the role of the

individual in society, and the major institutions and processes. It is designed to provide a better understanding of American culture and the wide range of social phenomena.

SOC 315—The Family and Alternative Lifestyles (5-0-5)

Prerequisite: SOC 201.

A study of the role of the family in the development of the individual, the family unit and societal institutions. Consideration will be given to various structures and functions of the family as it exists or is emerging in America.

SOC 320—Ethnic Minorities (5-0-5)

Prerequisite: SOC 201.

This course focuses on the present fact situation in America. The course examines the problems faced by minorities in America, especially where skin color and language pose social and economic barriers. It looks at dominant public institutions and patterns of response by minorities such as Black Americans, Chicanos, Puerto Ricans, Native Americans, and other sizeable ethnic groups.

SOC 333—Exploring Popular Culture (4-2-5)

Prerequisite: SOC 201.

An examination of popular culture using music, radio, television, texts, magazines, movie technology and language to explore a given era. Comparisons will be made of lifestyles, roles, racial attitudes and the national regional mood of times examined.

SOC 340—Methods of Social Research (5-0-5)

Prerequisite: SOC 201.

This course will explore several methods of applied social research including case study, record research, experimental designs, surveys, observation and systems interaction they apply to social data. The student must demonstrate a working knowledge of each method in the context of social work practice.

SOC 350—Social Problems (5-0-5)

Prerequisite: SOC 201.

An examination of behavioral deviancy, normative strain, and differences between social ideals and social realities in the context of sociological theory.

SOC 430—Alcohol and Drug Studies (5-0-5)

Prerequisite: SOC 201.

A course focusing on the various forms of alcohol and drug abuse with emphasis on

ages of harmful dependence and addiction. There will be an examination of the legal and social implications of addiction as well as approaches to treatment and rehabilitation.

DC 450—Independent Study (1-5)-0-(1-5)

By invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of Arts, Sciences and Education at Armstrong.

TEACHER EDUCATION PROGRAMS

Stipulations affecting the undergraduate teacher education programs at Armstrong State College are contained in this section and in the following section devoted to the Department of Education. Stipulations regarding graduate programs in education are contained in the graduate section of this catalog.

The teacher education programs at Armstrong State College are accredited by the National Council for Accreditation of Teacher Education and are approved by the Georgia State Department of Education. Upon verification by the College that a student has successfully completed an approved program, the student applies to the State Department of Education for the appropriate teaching certificate. *The stipulations for teacher education programs apply to all students in all teacher education programs at Armstrong State College.*

Academic Advisement

Students desiring to pursue a teacher education program should seek academic advisement in the Department of Education *during their first quarter of residence*. These students should follow without deviation the approved programs of study when these programs are established by them by their advisors. Upon admission to a teacher education program, a student will be assigned an advisor in the Department of Education.

Advisors will assist the students in processing a specific form establishing the programs of study for the appropriate majors. These forms for the completed programs of study will be reviewed with the advisors and copies given to the students.

Admission to Teacher Education

A student wishing to pursue a teacher education program leading to teacher certification

must apply for admission to the teacher education program. This application will be filed normally during the second quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the Department of Education.

The following criteria apply for admission to the teacher education program:

1. Completion of at least 60 quarter hours of college credit with a minimum 2.5 (unrounded) GPA.
2. Completion of EDN 200 and ENG 101, 102, and 201 or their equivalents, with a "C" or better in each course.
3. Competence in oral and written expression.
4. Indication of desirable attitude, character, and teaching potential.
5. Statement of good health signed by a licensed physician.
6. Satisfactory completion of the Regents' Test. Students already holding baccalaureate degrees from an accredited institution are exempted from the Regents' Test.
7. Submission of four letters of recommendation; such letters may be secured from colleges or universities where applicants may have been previously enrolled.
8. Submission of an up-to-date copy of the program of study planning sheet.

A student who does not meet requirement 1 above may seek to be admitted on the basis of at least 75 quarter hours of credit specifically included in the student's program of study, with a GPA of at least 2.75 on that work.

Recommendation for Certificate

To be recommended for a teaching certificate, a student must complete the degree requirements for an approved teacher certification program of Armstrong State College and must complete at Armstrong State College a majority of the courses in each of the following areas: the professional sequence, the teaching field, and the related field.

Liability Insurance Requirement

All students who participate in courses for which field experiences (i.e., laboratory practicum) are required must provide evidence of liability insurance (i.e., SGAE membership or must sign a waiver of insurance coverage). Students should consult advisors regarding this requirement.

September Practicum

The purpose of the September Practicum is to provide an opportunity for future teachers (1) to learn what teachers do at the beginning of a new school term, (2) to participate in experiences that will assist the prospective teacher with future decisions concerning teaching as a career, and (3) to become acquainted with the organization and curriculum of a particular school.

The September Practicum occurs during the first two weeks of the public school term (usually in late August and early September) and should be scheduled during the student's junior or senior year. No credit is given for the September Practicum, but it is a requirement in all of the teaching fields in the Armstrong State College Teacher Education Program.

Application for the September Practicum should be made during the first week of the Spring Quarter for a September Practicum in the forthcoming September. The student should contact the Director of Professional Laboratory Experiences.

Student Teaching

Student teaching, the culminating activity of the professional sequence, is provided in selected off-campus school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and supervising teachers. Completed applications for admission to student teaching must be submitted to the Director of Professional Laboratory Experiences during the first week of the quarter preceding student teaching. While student teaching, the student is required to adhere to established policies and procedures of the cooperating school system in addition to those policies and procedures established by the college.

A student is admitted to student teaching at the time assignment is made. While student preferences and other personal circumstances are considered, the college reserves the right to exercise its discretion in placement. The student will receive a letter of assignment. Orientation to student teaching will be held during the first several days of the quarter in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

1. Completion of the core curriculum.
2. Admission to Teacher Education.
3. Completion of all teaching field courses.

4. Satisfactory completion of the September Practicum and the Regents' Exam.
5. Satisfactory completion of the Media Competency Exam or EDN 240.
6. Have at least senior status.
7. Have a 2.5 average on all courses attempted, and "C" or better in all courses acceptable toward the teaching field, professional sequence, concentration, and related electives.
8. Be endorsed by four approved full-time members of the faculty, one of whom must be the student's advisor.

Students who are completing requirements for certification as outlined in a State Department of Education Letter and are requesting a student teaching assignment must have a minimum 2.5 GPA and be in good academic standing.

A student will not be permitted to take additional courses during student teaching. Student teachers are not permitted to teach in a school in which their children are enrolled.

Program Completion

A student must complete the college's approved program for certification within the four years following admission to the Teacher Education program. In the event that the student does not complete the program in four years, the individual must meet the requirements of the program in effect at that time.

For acceptable completion, each course in the teaching field, professional education sequence, concentration, and related fields must be passed with a "C" or better grade.

Cooperative Programs

Savannah State College cooperates with Armstrong State College in offering majors in: Industrial Arts Education, (2) Trade and Industrial Education, and (3) Business Education. Coursework in the major field of study for each of these programs is offered by Savannah State. Students interested in these programs should contact the head of the Department of Education at Armstrong State College.

Minor Concentration

A minor in teacher education is available for students who do not wish to earn teacher certification. The minor incorporates courses which address leading concepts and problems in the field of education. Students majoring in general studies, psychology, health science, and other

Students may find this minor a valuable adjunct to their programs of study. For the minor to be officially recognized, all courses in the minor must be passed with a grade of "C" or better.

EDN 200 - Orientation to Teaching	5
EDN 310 - Introduction to Exceptional Children	5
EDN 302 - or PSY 301 - Educational Psychology	5
EDN 240 - Educational Media	2
EDN 296 - Computer Literacy for Educators	3
One additional upper divisional education course	5
(Illustrative courses include library media courses, EDN courses and EXC courses.)	
Total	25

Department of Education

Faculty

Chair, Department Head
 Kuyumcu, Stephen
 Anderson Donald
 Hill, A. Patricia
 Kuyumcu, Bettye Anne
 Kuyumcu, Clifford
 Kuyumcu, John
 Kuyumcu, Evelyn
 Kuyumcu, Herbert
 Kuyumcu, Pamela
 Kuyumcu, Lloyd
 Kuyumcu, Jacquelyn
 Kuyumcu, Patricia
 Kuyumcu, Susan

Graduate Faculty

Associate Program

PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION

	Hours
A. General Requirements	49
Area I	10
1. ENG 101 and 102 or 192	
Area II	10
1. MAT 101	5
2. One course from: BIO 101 or 102, CHE 121 or 122 or PHY 211 or 212 or PHY SCI 121 or 122..	5

Area III	10
1. HIS 251 or 252	5
2. POL SCI 113	5
Area IV	15
1. PSY 101	5
2. EDN 200, 202, EDN 240	10
Area V	4
1. PE 117	2
2. PE 166	2
B. Restricted Electives (Select 2)	10
Area VI	10
1. ART 200, 271, 272, 273	5
2. MUS 200 or PHI 201	5
3. ENG 201 or 222	5
4. HIS 114 or 115	5
5. BIO 101 or 102	5
6. CHE 121 or 122	5
7. PHY 211 or 212	5
8. PHS 121 or 122	5
9. MAT 103, 195, 220 or 290	5
10. ECO 201 or 202 or SOC 201	5
11. GEO 211 or 212	5
12. DRS 228	5
C. Major Field Courses	30
Area VII	30
1. ECE 248, 244, 226, 224, 222, 235	
D. Major Field Electives	6-8
1. ECE 232, 234	3
ECE 246	5
2. LS 110	1
3. CS 296	3
E. Regents Examinations	0
TOTAL	95-97

Bachelor Programs

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN EARLY ELEMENTARY EDUCATION

	Hours
A. General Requirements	101
Area I	20
1. ENG 101, 102, or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 101 and 103 or 195 or 220 or 290	10
2. Approved laboratory science sequence	10

Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201; ECO 201, 202; SOC 201	5
Area IV.....	28
1. EDN 200, 202.....	8
2. DRS 228, PSY 101	10
3. HIS 251 or 252 and GEO 211 or 212.....	10
Area V.....	5
1. EDN 240.....	2
2. CS 296	3
Area VI.....	8
1. PE 103 or 108, 117, 166.....	5
2. Activity courses	3
B. Specialized Content Courses	48
1. ART 320, MAT 391; MUS 320 ..	15
2. PE 320.....	3
3. EDN 324, 336, 342, 422, 424, 434	
C. Professional Sequence	40
1. EXC 310, EDN 304, 432, 436, 471, 472, 473	35
2. PSY 301 or EDN 302	5
D. Electives	2-5
E. Regents' and Exit Examinations	0
TOTAL	191-194

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE IN EDUCATION
IN MIDDLE SCHOOL EDUCATION**

	Hours
A. General Requirements	96
Area I.....	20
1. ENG 101, 102 or 192, 201or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II.....	20
1. MAT 101 and 103 or 195 or 220 or 290	10
2. Approved laboratory science sequence	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201, ECO 201, 202; SOC 201	5

Area IV.....	3
1. GEO 211 or 212 and HIS 251 or 252.....	1
2. DRS 228, PSY 101, EDN 200 ...	
3. EDN 240, CS 296.....	
Area V.....	
1. PE 103 or 108; 117	
2. Three activity courses.....	
B. Concentration I Courses	2
Language arts, mathematics, science, or social sciences	
C. Concentration II Courses	
Health and physical education, language arts, mathematics, music, science, social sciences, or art	
D. Specialized Courses	
CONTENT COURSES REQUIRED AND/OR APPROPRIATE FOR CONCENTRATION CHOICES: 20 hours minimum; 30 hours maximum.....	20-
1. EDN 336, 342, 422, 428, 434 ...	
2. MAT 391 or 393	
E. Professional Sequence	
1. EXC 310; EDN 304, 438, 450, 471, 472, 473	
2. PSY 301 or EDU 302	
F. Regents' and Exit Examinations	
TOTAL	1

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE IN EDUCATION
WITH A MAJOR IN SPEECH CORRECTION**

	Hours
A. General Requirements	
Area I.....	
1. ENG 101, 102 or 192, 201 or 292.....	
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	
Area II.....	
1. MAT 101 and 290	
2. Approved laboratory science sequence	
Area III.....	
1. HIS 114 or 191, 115 or 192; POS 113.....	
2. ANT 201 or ECO 201 or SOC 201.....	

B. Teaching Concentration.....	45
1. BIO 370, 480 and BOT 410 or ZOO 410	15
2. BOT or ZOO courses numbered 300+	10
3. CHE 129, 341, 342, 343	20
C. Courses Related to Concentration.....	15
Three of the following: AST 201, GEL 201, MET 201, and OCE 301 or 430	15
D. Professional Sequence	35
1. EXC 310, EDN 335, 447, 471, 472, 473	30
2. PSY 301 or EDN 302	5
E. Regents' and Exit Examinations	0
TOTAL	196

C. Professional Sequence	35
1. EDN 240, EDN 302 or PSY 301	7
2. EXC 310, EDN 335, BED 350... ..	15
3. EDN 471, 472, 473	15
E. Regents' and Exit Exams	0
Total	20
F. Secretarial Concentration.....	21
1. ADS 203, ADS 312, ADS 313... ..	1
Total	21

Special Note: ACC (Accounting), OAD (Office Administration), BAD (Business Administration) and BE (Business Education) courses taught at SSC only.

Courses taken in Area I may not be duplicated in Area IV.

Prerequisites for admission to ADS 202 and ADS 312 - Skill in typewriting and shorthand at elementary level.

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF BUSINESS EDUCATION

	Hours
A. General Requirements	106
Area I	20
1. ENG 101, 102, 201	15
2. One course from: ART 200, 271, 272, 273; MUS 200; PHI 201; or ENG 222	5
Area II	20
1. MAT 101, 195	10
2. Approved laboratory science sequence	10
Area III	20
1. HIS 114, 115, POS 113, ECO 201	20
Area IV	30
1. EDN 200, PSY 101, DRS 228, BAD 201, ACC 211, ACC 212 ..	30
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
Other Requirements	10
1. MAT 220, HIS 251 or 252	10
B. Teaching Concentration	59
1. BAD 225, ECO 202	10
2. ADS 202, ADS 340, ADS 405, ADS 420	19
3. BAD 302, BAD 317, BAD 320, BAD 340, BAD 360, BAD 462 ..	30

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF CHEMISTRY EDUCATION

	Hours
A. General Requirements	106
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 101, 103	10
2. CHE 128, 129	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113	20
2. One course from: ANT 201; ECO 201, 202; SOC 201	10
Area IV	30
1. EDN 200, PSY 101	10
2. BIO 101, 102; CHE 281	10
3. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	10
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
State Requirement	10
HIS 251 or 252	10

B. Teaching Concentration.....	35
1. CHE 341, 342, 343, 350, 380...	22
2. CHE 491, 497.....	8
3. CHE 451 or 461 or 480.....	5
C. Courses Related to Concentration.....	25
1. PHS 211, 212, 213 or 217, 218, 219.....	15
2. BOT 203, MAT 206.....	10
D. Professional Sequence.....	35
1. EXC 310, EDN 335, 447, 471, 472, 473.....	30
2. PSY 301 or EDN 302.....	5
E. Regents' and Exit Examinations.....	0
TOTAL	196

6. One course from: ENG 327 or 328, 400, 401, 402, 490 or 491 (Neither ENG 327 nor 328 may be duplicated to satisfy B-2 above, although both may be taken).....	5
C. Courses Related to Concentration.....	15
1. PHI 400 or approved elective...	5
2. DRS 350 or 351.....	5
3. EDN 423.....	5
D. Professional Sequence.....	40
1. EXC 310, EDN 335, 422.....	15
2. EDN 439, 471, 472, 473.....	20
3. PSY 301 or EDN 302.....	5
E. Regents' and Exit Examinations.....	0
TOTAL	196

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF ENGLISH EDUCATION

	Hours
General Requirements.....	101
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201.....	5
Area II.....	20
1. MAT 101 and 103 or 220 or 290.....	10
2. Approved laboratory science sequence.....	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. One course from: ANT 201, ECO 201, 202; SOC 201.....	5
Area IV.....	30
1. DRS 228; EDN 200, PSY 101...	15
2. Foreign language sequence through 103.....	15
Area V.....	6
1. PE 103 or 108, 117.....	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5
Teaching Concentration.....	40
1. ENG 326, 344; 406 or 407.....	15
2. ENG 327 or 328.....	5
3. One course from: ENG 300, 302, 304, 305, 306, 307, 320...	5
4. One course from: ENG 308, 309, 310.....	5
5. One course from: ENG 325, 410, 422.....	5

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF INDUSTRIAL ARTS EDUCATION

	Hours
A. General Requirements.....	101
Area I.....	20
1. ENG 101, 102 or 191, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201.....	5
Area II.....	20
1. MAT 101 and 103 or 195.....	10
2. CHE 128, 129 or PHY 211, 212	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. ECO 201 or 202.....	5
Area IV.....	30
1. DRS 228, EDN 200, PSY 101...	15
2. IAE 201, 202, 203.....	15
Area V.....	6
1. PE 103 or 108, 117.....	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5
B. Teaching Concentration.....	45
1. IAE 301, 302, 303, 312, 401...	25
2. METc 212, 213.....	10
3. ETc 101, 102.....	10

C. Professional Sequence	40
1. EXC 310, 335	10
2. PSY 301 or EDN 302; EDN 471, 472, 473	20
3. IAE 411, 412	10
D. Approved Electives	10
E. Regents' and Exit Examinations	0
TOTAL	196

Special Note: IAE (Industrial Arts Education), METc (Mechanical Engineering Technology), and ETc (Engineering Technology) courses taught at SSC only.

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF MATHEMATICS EDUCATION

	Hours
A. General Requirements	101
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 101, 103	10
2. Approved laboratory science sequence	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113	15
2. One course from: ANT 201; ECO 201, 202; SOC 201	5
Area IV	30
1. EDN 200, PSY 101	10
2. MAT 206, 207, 208	15
3. One course selected from: ART 200, 271, 272, 273; DRS 228; MUS 200	5
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
State Requirement	5
HIS 251 or 252	5
B. Teaching Concentration	40
1. CS 120	5
2. MAT 220, 260, 311, 336	19
3. Two courses from: MAT 316, 416, 470	6-7

4. Two courses from: MAT 341, 346, 353	4
5. Approved MAT/CS elective	4
C. Professional Sequence	3
1. EXC 310, EDN 335, 441	1
2. EDN 471, 472, 473	1
3. PSY 301 or EDN 302	1
D. Electives	1
E. Regents' and Exit Examinations	
TOTAL	19

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF MUSIC EDUCATION

	Hours
A. General Requirements	10
Area I	2
1. ENG 101, 102 or 191, 201 or 292	1
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	
Area II	
1. MAT 101, 290	
2. Approved laboratory science sequence	
Area III	
1. HIS 114 or 191, 115 or 192; POS 113	
2. One course from: ANT 201; ECO 201, 202; SOC 201	
Area IV	
1. EDN 200, PSY 101	
2. MUS 111, 112, 113, 140, 236, 281	
Area V	
1. PE 103 or 108, 117	
2. Three activity courses	
State Requirement	
HIS 251 or 252	
B. Teaching Concentration	65
1. MUS 211, 212, 213, 237, 238, 239	
2. MUS 240, 340	
3. MUS 312, 330, 331	
4. MUS 361, 371, 372, 373, 412	
5. One of the following emphases:	11
a. Choral—MUS 353, 313, 423, 480 and 314 or 315	

b. Instrumental—	
MUS 227, 352, 416, 424,	
481	12
c. Keyboard—MUS 227, 425,	
420 or 421, 423 or 424, 353	
or 352	12
MUS 480 or 481	3
d. Professional Sequence	30
1. EXC 310, EDN 335, 471, 472,	
473	25
2. PSY 301 or EDN 302	5
e. Recital Requirement (one-half of a	
senior recital)	0
TOTAL	196-199

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF PHYSICS EDUCATION

	Hours
General Requirements	101
Area I	20
1. ENG 101, 102 or 191, 201 or	
292	15
2. One course from: ART 200, 271,	
272, 273; ENG 222; MUS 200 ..	5
Area II	20
1. MAT 101, 103	10
2. PHY 211-212 or 217-218	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS	
113	15
2. One course from: ANT 201,	
ECO 201, 202; SOC 201	5
Area IV	30
1. EDN 200; PSY 101	10
2. One course from: ART 200, 271,	
272, 273; DRS 228; MUS 200 ..	5
3. PHY 213 or 219; BIO 101, 102	
.....	15
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
State Requirement	5
HIS 251 or 252	5
Teaching Concentration	30
1. AST 301	5
2. PHY 380, 412, 417	15
3. Two courses from: GEL 302,	
MET 303; OCE 301, 430	10
Courses Related to Concentration	30
1. CHE 128, 129, 281	15
2. MAT 206, 207	10

3. Approved 300+ CHE elective	5
D. Professional Sequence	35
1. EXC 310, EDN 302 or PSY 301	10
2. EDN 335, 447, 471, 472, 473 ..	25
E. Regents' and Exit Examinations	0
TOTAL	196

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION IN THE TEACHING FIELD OF SOCIAL STUDIES WITH A CONCENTRATION IN BROAD FIELDS (HISTORY)

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or	
292	15
2. One course from: ART 200, 271,	
272, 273; ENG 222; MUS 200;	
PHI 200, 201	5
Area II	20
1. MAT 101, 220	10
2. Approved laboratory science	
sequence	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS	
113	15
2. PSY 101	5
Area IV	30
1. EDN 200	5
2. One course from: ANT 201,	
ECO 201, GEO 212, SOC 201	5
3. One course from: ART 200, 271,	
272, 273; DRS 228; MUS 200 ..	5
4. Approved language	
sequence through 103	15
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
B. Teaching Concentration	35
1. HIS 251 or 252; HIS 371 or	
377	10
2. HIS 300	5
3. Approved Non-Western HIS	
course(s)	5-10
4. Approved 300+ US HIS	
course	5
5. Approved European HIS	
course(s)	5-10
C. Courses Related to Concentration	30
1. ECO 201, 202, 363	10-15
2. GEO 211, 212, elective	10-15
3. POS 306 or 307	5
4. POS 317, 318, 416 or 417	5-10

D. Professional Sequence	35
1. EXC 310, EDN 335, 449.....	15
2. EDN 302 or PSY 301; EDN 471, 472, 473	20
E. Regents' and Exit Examinations	0
TOTAL	196

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE IN EDUCATION IN
SECONDARY EDUCATION IN THE
TEACHING FIELD OF SOCIAL STUDIES
WITH A CONCENTRATION IN BROAD
FIELDS (POLITICAL SCIENCE)**

	Hours
A. General Requirements	96
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II.....	20
1. MAT 101, 220.....	10
2. Approved laboratory science sequence	10
Area III.....	20
1. HIS 114 or 191, 115 or 192; POS 113.....	15
2. PSY 101.....	5
Area IV.....	30
1. EDN 200.....	5
2. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	5
3. One course from: ANT 201; ECO 201, 202; any GEO course; SOC 201.....	5
4. Approved language sequence through 103.....	15
Area V.....	6
1. PE 103 or 108, 117	3
2. Three activity courses.....	3
B. Teaching Concentration.....	30
1. POS 306 or 307; 346 or 349.....	10
2. POS 329, 333	10
3. One course from: POS 317, 318, 416, 417	5
4. Approved 300+ POS course...	5
C. Courses Related to Concentration.....	35
1. HIS 251 or 252.....	5
2. Courses from three of the follow- ing:	
a. GEO 211, 212, elective	10-15
b. ECO 201, 202, 363	10-15
c. 300+ HIS electives	10-15
d. ANT, PSY, SOC electives	10-15

D. Professional sequence.....	
1. EXC 310, EDN 302 or PSY 301 2. EDN 335, 449, 471, 472, 473...	
E. Regents' and Exit Examinations	
TOTAL	1

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE IN EDUCATION
SECONDARY EDUCATION IN THE
TEACHING FIELD OF SOCIAL SCIENCES
WITH A CONCENTRATION IN HISTORY**

	Hours
A. General Requirements	
Area I.....	
1. ENG 101, 102 or 192, 201 or 292.....	
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	
Area II.....	
1. MAT 101, 220.....	
2. Approved laboratory science sequence	
Area III.....	
1. HIS 114 or 191, 115 or 192; POS 113.....	
2. SOC 201.....	
Area IV.....	
1. EDN 200, PSY 101	
2. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	
3. Approved language sequence through 103.....	
Area V.....	
1. PE 103 or 108, 117	
2. Three activity courses.....	
B. Teaching Concentration.....	
1. HIS 251, 252, 300.....	
2. Approved Non-Western HIS courses.....	
3. Approved 300+ US HIS course(s)	
4. Approved 300+ European HIS course(s)	
C. Courses Related to Concentration.....	
1. ECO 201, GEO 211	
2. One course from: ANT 201; POS 306, 307, 317	
3. Approved social science elective	
D. Elective	

E. Professional Sequence	35
1. EXC 310, EDN 335, 449	15
2. EDN 302 or PSY 301; EDN 481, 482, 483	20
F. Regents' and Exit Examinations	0
TOTAL	196

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE IN EDUCATION IN
SECONDARY EDUCATION IN THE
TEACHING FIELD OF SOCIAL SCIENCES
WITH A CONCENTRATION IN POLITICAL
SCIENCE**

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
1. MAT 101, 220	10
2. Approved laboratory science sequence	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113	15
2. SOC 201	5
Area IV	30
1. EDN 200, PSY 101	10
2. One course from: ART 200, 271, 272, 273; DRS 228; MUS 200 ..	5
3. Approved electives	15
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
B. Teaching Concentration	40
1. POS 306, 307, 329	15
2. POS 316 or 318; 346 or 349; 331 or 332	15
3. Approved 300+ POS electives ..	10
C. Courses Related to Concentration ..	20
HIS 251, 252; GEO 211; ECO 201	20
D. Elective	5
E. Professional Sequence	35
1. EXC 310, EDN 335, 449	15
2. EDN 302 or PSY 301; EDN 471, 472, 473	20
F. Regents' and Exit Examinations	0
TOTAL	196

**PROGRAM FOR THE DEGREE OF
BACHELOR OF SCIENCE IN EDUCATION IN
SECONDARY EDUCATION IN THE
TEACHING FIELD OF TRADE AND
INDUSTRIAL EDUCATION**

	Hours
A. General Requirements	101
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200, 201	5
Area II	20
1. MAT 101 and 103 or 195	10
2. CHE 128, 129 or PHY 211, 212 ..	10
Area III	20
1. HIS 114 or 191, 115 or 192; POS 113	15
2. ECO 201 or 202	5
Area IV	30
1. DRS 228, EDN 200, PSY 101 ...	15
2. TIE 100, 200, 210	15
Area V	6
1. PE 103 or 108, 117	3
2. Three activity courses	3
State Requirement	5
HIS 251 or 252	5
B. Teaching Concentration	45
1. TIE 300, 301, 303, 323 or 410 ..	20
2. TIE 311, 313, 401, 402, 403 or technical electives	25
C. Professional Sequence	40
1. EDN 335; PSY 301 or EDN 302; EXC 310	15
2. TIE 411, 421	10
3. EDN 471, 472, 473 or TIE 431, 432, 433	15
D. Approved Electives	10
E. Regents' and Exit Examinations	0
TOTAL	196

Special Note: TIE (Trade and Industrial Education) courses taught at SSC only.

Library Science/Media

The Library Science/Media program has three emphases: (1) basic library skills courses and specialized skill courses designed to help students in specific subject areas develop research skills; (2) career courses for prospective media specialists and persons interested in public and special libraries; and (3) basic research courses which may be elected by majors in other areas.

Certification Program

Certification in Library Media may be obtained by completing 40 quarter hours in media and related courses with grades of "C" or better. This program must be incorporated into an existing teaching major. The following courses are required for certification as a media specialist:

	Hours
A. LM 300, 310, 320, 410, 420, 425.....	25
B. EDN 240, 451; CS 296	10
C. One course from: EDN 324, 418; EDN 423	5

Non-Certification Program

A student may choose any field of concentration which allows a double major. The major in Library Media is comprised of the following:

	Hours
A. LM 300, 310, 320, 410, 420, 425.....	25
EDN 240, 451; CS 296 or 115.....	10-12
B. One course from: EDN 324, 418; EDN 423; DRS/JRN 347	5
TOTAL	40-42

Library Media Minor

A student choosing to minor in Library Media is required to complete the following courses with grades of "C" or better in each:

	Hours
A. LM 300, 310, 320.....	12
B. LM 410, 420, 425.....	13
TOTAL	25

Learning Disabilities Add-On

Learning Disabilities (grades K-12) may be added to certification in elementary or middle school education by successful completion of the following courses:

- EXC 312 - Introduction to Learning Disabilities
- EXC 430 - Teaching Children with Disabilities
- EXC 340 - Behavior Management
- EDN 320 - Tests and Measurements
- EXC 315 - Language Development

Secondary education students and students interested in an endorsement in Learning Disabilities need to see a Special Education advisor in the Office of Secondary Education and Special Education in order to identify the appropriate courses.

The above "add-on" in LD would consist of a non-renewable provisional certificate at the T-level in Learning Disabilities. In order for the student to obtain a non-provisional certificate, other requirements, outlined by the State Department of Education would have to be satisfied.

SPECIAL NOTE:

1. Liability insurance or waiver is required for all courses with field experiences. Please consult course outline or professor regarding this requirement.

Course Offerings

ECE Offerings

ECE 222—The Reading Process for Early Childhood Education (5-0-5)

The study of beginning reading readiness and language arts development. Special emphasis on strategies for teaching prerequisite skills directly related to the formal reading program.

ECE 224—Mathematics and Science for Young Children (5-0-5)

Prerequisite: MAT 101.

Topics include development of whole number integers and rational numbers; arithmetic and geometric relations. Study of integrating science concepts, principles, and processes into the teaching of science for the young child. Emphasis on strategies and media used to teach mathematics and science in early years.

ECE 226—Language Arts for Early Childhood Education (5-0-5)

Selecting and reading appropriate books for the pre-school child with special emphasis on picture books, reading aloud, story-telling techniques, drama and role playing.

ECE 232—Tests and Measurements in Early Childhood Education (3-0-3)

A job related introductory course which will survey group readiness, developmental psychological, and achievement tests commonly employed at the preschool and primary levels. Basic descriptive statistics and interpretative skills will be emphasized. Students will be provided opportunities to administer and interpret tests.

ECE 234—Classroom Management and Discipline (3-0-3)

This course is designed to help the early childhood teacher determine performance levels and instructional needs of children as these factors relate to effective and positive classroom management techniques.

ECE 235—Expressive Activities in Early Childhood Education (5-0-5)

The fundamentals and emphasis on the place of music, drama, movement, creative activities and art in the education of young children. Designing materials and demonstrating strategies for guiding children in the expressive activities.

ECE 244—Curriculum and Implementation (5-0-5)

Prerequisites: EDN 224 and ECE 222.

The study of approaches to curriculum development and implications for instructional strategies. This course places special focus on the development of instructional units, writing of objectives, organization of learning centers, and lesson and unit planning. Includes current trends in early childhood curriculum design.

ECE 246—Supervision and Administration (5-0-5)

Prerequisite: ECE 244.

Study of principles and practices of personnel management, emphasizing human relations. Emphasis will be placed on budget preparation, organizational structure, license requirements and program evaluation.

ECE 248—Growth and Development of the Young Child (5-0-5)

An introduction to the study of child development — social, emotional, physiological and intellectual. Includes parent-child, parent-teacher relationships and multi-cultural factors which affect children and their families. Focuses on development from conception through eight years with special emphasis on factors which contribute to individual differences, and influences of educational practices upon development.

ECE 252—Practicum in Nursery-Kindergarten Education (2-8-3)

Field experience during which the student with no teaching experience and/or not working in an early childhood education related job, will observe and become involved in the teaching/learning processes at each of the levels of early childhood education (nursery and kindergarten). Scheduled seminars.

EDN Offerings**EDN 200—Orientation to Teaching (5-0-5)**

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of professional goals. Directed field experiences.

EDN 202—Health and the Young Child (3-0-3)

Study of factors impacting upon the physical social and emotional health of young children, including food and nutrition, safety, disease and trauma.

EDN 240—Education Media (1-2-2)

Workshop experience in the selection, utilization, evaluation, and preparation of various kinds of media. Emphasis is placed on utilization of media in teaching.

EDN 302—Educational Psychology (5-0-5)

A study of the learning processes and the factors that impinge upon the learner. Special consideration is given to the methods and tools used in the assessment and evaluation of learning.

EDN 304—Human Growth and Learning (4-6-5)

Prerequisite: EDN 200.

Focus on total growth and development of individuals with emphasis upon interrelationships of the development process and teaching-learning. Laboratory Component includes use of campus, school and community resources for observing-participating, testing, and synthesizing course theory. Directed field experiences.

EDN 320—Test and Measurements (5-0-5)

A beginning course in measurement which covers statistical methods, research designs and research problems. Students are provided experiences in the administration and evaluation of psychological tests.

EDN 324—Literature for Children (5-0-5)

Prerequisite: Admission to Teacher Education.

A study of children's books and selections from books. Designed to assist future teachers in the selection of the best that has been written in the realm of children's literature for each period of the child's life.

EDN 335—Secondary School Curriculum and Methods, General (3-6-5)

Prerequisite: Admission to Teacher Education; PSY 301 or EDN 302.

The study of secondary school curriculum and methods. Detailed study is given to techniques of systematic observation, preparation of behavioral objectives, analysis of critical incidents, production of media materials, practices of classroom control, and examination of instruction models. Directed practicum.

EDN 336—Elementary School Language Arts (5-5-5)

Prerequisite: Admission to Teacher Education.

Designed to offer the student the opportunity to explore methods, content, and materials used in teaching the skills of communicative arts to children. Directed field experiences.

EDN 342—Elementary School Social Studies (5-0-5)

Prerequisite: Admission to Teacher Education.

Focus upon fundamental social studies skills and processes needed by children. Directed field experiences.

EDN 410—Independent Study (1-8-5)

Prerequisite: Admission to Teacher Education.

Students conduct an in-depth, closely supervised instructor-approved study of a topic in education. The student is required to evidence skills in independent research and study.

EDN 415—Adolescent Psychology (5-0-5)

Focus on the phenomenon of modern adolescence. Emphasis upon the intellectual, cultural and personal transitions of the adolescent period.

EDN 418—Literature for the Middle School Learner (5-0-5)

Prerequisite: Admission to Teacher Education.

Provides opportunity for prospective and in-service teachers to explore multimedia offerings

of literary value and of significance to age levels of learners found in the middle school. Related literature to all areas of the middle school curriculum.

EDN 422—The Teaching of Reading (5-0-5)

Prerequisite: Admission to Teacher Education.

Study of the developmental reading program. Emphasis will be placed on reading skills, approaches, techniques, materials and evaluation for classroom use.

EDN 423—Adolescent Literature (5-0-5)

Offered on demand. Prerequisite: Admission to Teacher Education.

EDN 424—Practicum in Individual Reading Instruction (2-8-5)

Prerequisite: EDN 422.

Designed to provide prospective teacher with directed practice in the teaching of reading. Special emphasis will be placed upon diagnosis and teaching of needed reading skills. Student will be required to tutor at least one remedial reader. Directed field experiences.

EDN 428—Reading in the Middle School (5-0-5)

Prerequisite: Admission to Teacher Education.

Primary focus upon reading as a tool for extending learning in the content areas of the middle school.

EDN 430—Diagnosing and Prescribing for Learning Problems (5-0-5)

Prerequisite: EDN 422 or 428.

Diagnostic and prescriptive process principles underlying assessment and correction of learning problems. Designed to help the classroom teacher (1) determine performance level and needs of pupils and (2) provide effective learning assistance.

EDN 432—Methods and Materials for K-4 (5-0-5)

Prerequisites: Admission to Teacher Education.

Examination of teaching resources, teaching strategies and the range of interpersonal relationships involved in teaching young children. Directed field experiences.

DN 434—Methods and Curriculum of Elementary Science (5-0-5)

Prerequisite: Admission to Teacher Education.

Interpretation of science for elementary school teaching: exploration of processes for translating meaning into classroom practice. Emphasis upon inquiry, the discovery process and other science teaching strategies.

DN 436—Curriculum and Teaching K-4 (2-2-5)

Prerequisite: Admission to Teacher Education.

This course is the study of early elementary curricula, existing administrative and instructional organizations, evaluation procedures, and experiences in curriculum at the primary level (K-4). It includes study and development of teaching materials. Directed field experience.

DN 438—Curriculum and Teaching (4-8) (2-2-5)

Prerequisite: Admission to Teacher Education.

This course is the study of Middle School curricula, existing administrative and instructional organizations, evaluation procedures, and experiences in curriculum at the middle school level (4-8). It includes study and development of teaching materials. Directed field experiences.

DN 439—Secondary School Curriculum and Methods, English (5-0-5)

Offered on demand. Prerequisite: PSY 301 or DN 302 and admission to Teacher Education.

The study of secondary school English curriculum with emphasis upon materials and methods of teaching English. Directed observation.

DN 441—Secondary School Curriculum and Methods, Mathematics (5-0-5)

Offered on demand. Prerequisite: MAT 260.

The study of secondary school mathematics curriculum with emphasis upon materials and methods of teaching mathematics. Directed observations.

DN 445—Reading in the Secondary School (5-0-5)

This course is designed to provide students with the rationale for teaching reading as they teach their content areas in the secondary school.

EDN 447—Secondary School Curriculum and Methods, Science (5-0-5)

Offered on demand. Prerequisites: Admission to Teacher Education, PSY 301 or EDN 302, and EDN 335.

The study of secondary school science curriculum with emphasis upon materials and methods of teaching science. Directed observations.

EDN 449—Secondary School Curriculum and Methods, Social Science (5-0-5)

Prerequisites: Admission to Teacher Education; PSY 301 or EDN 302 and EDN 335.

The study of secondary school social science curriculum with emphasis upon materials and methods of teaching social science. Directed observations.

EDN 450—The Middle School (5-0-5)

An overview of the history and purpose of the middle school; characteristics of the middle school learner, emphasis upon the nature and role of the middle school teacher and upon appropriate programs for the needs of middle school learners.

EDN 451—Teaching Media (2-6-5)

Prerequisite: EDN 240 or permission of instructor.

Laboratory course in designing and producing instructional media: transparencies, slides, tapes and other media for teaching.

EDN 460—Multi-Cultural Education (5-0-5)

Designed to study the educational implications of cultural diversity. Examination of the school programs designed to meet the needs and interests of children from different ethnic backgrounds.

EDN 471—Student Teaching—Knowledge of Content (0-V-5)**EDN 472—Student Teaching—Instructional Methods and Materials (0-V-5)****EDN 473—Student Teaching—Professional/Interpersonal Skills (0-V-5)**

Prerequisite: See "General Requirements Teacher Education Programs." Students are placed in selected schools for one quarter as full-time student staff members. No additional credit hours may be earned while student teaching. Classroom experiences and other staff responsibilities are jointly supervised by the

college staff, supervising teachers and principals in the selected schools. Open to transient students only with permission of the Dean of Education at Armstrong and of the college from which the student comes.

Exceptional Children Offerings

EXC 220—Introduction to Communicative Disorders (5-0-5)

An introduction to the types, etiologies, and remediation sources and techniques of various communicative dysfunctions in children and adults in the areas of language, articulation, voice and stuttering. Emphasis is on the recognition and awareness of these disorders, appropriate classroom strategies, and treatment referral.

EXC 225—Phonetics for Speech Correctionists (3-4-5)

Deals with the use of the International Phonetic Alphabet (IPA) in speech correction, IPA transcription of normal and defective articulation and the important characteristics of regional dialects are stressed.

EXC 230—Anatomy and Physiology of the Speech and Hearing Mechanism (4-2-5)

Anatomy and physiology of the head, neck, and thorax from a speech and hearing standpoint. Special emphasis is placed on functional considerations of the respiratory system, larynx, oral and nasal structures, and ear.

EXC 310—Introduction to Exceptional Children (5-0-5)

Prerequisite: EDN 200 and PSY 301 or EDN 302.

An orientation to exceptional children with emphasis on educational implications and rehabilitation requirements. Includes classroom discussion of and visitations to facilities for training.

EXC 312—Introduction to Learning Disabilities (4-2-5)

Prerequisites: EXC 310.

An introduction to the area of specific learning disabilities, with an emphasis on identification, terminology, and prevalence.

EXC 315—Normal Speech and Language Development (4-2-5)

The study of normal language development with emphasis on oral language. This course

traces developmental scales of speech and language growth across various age levels and includes the relationship between speech and language. Observations.

EXC 335—Speech Science (4-2-5)

Speech communication from a psychophysical standpoint. Study focuses on acoustics, physics of speech, transmission media, and physical analysis of speech.

EXC 340—Behavior Management for the Exceptional Child (5-0-5)

A study of the application of behavioral principles for the management and growth of exceptional learners. Consultation in using the principles with other teachers and with parents will also be emphasized.

EXC 410—Introduction to Audiology (3-4-5)

Prerequisite: Admission to Teacher Education.

An introduction to the methods of hearing assessment through pure tone and speech audiometry, with a focus on rehabilitation of the hearing impaired. Supervised clinical practice.

EXC 411—Stuttering (4-2-5)

Prerequisite: Admission to Teacher Education.

An introduction to the problem of stuttering, its possible causes and the management training of cases. Supervised clinical practicum.

EXC 412—Language Disorders (4-2-5)

Prerequisite: Admission to Teacher Education.

An introduction to language disorders of children and adults. Etiologies, evaluation procedures, and therapeutic approaches are studied. Major emphasis will be given to delayed language development. Supervised clinical practicum.

EXC 413—Organically Based Communication Problems (4-2-5)

Prerequisite: Admission to Teacher Education.

The course includes a study of the communication problems related to disorders of voice, cleft palate, and cerebral palsy. Supervised clinical practicum.

EXC 415—Articulation Disorders (3-4-5)

Prerequisites: EXC 225, admission to Teacher Education.

A study of the etiology, rationale, evaluation and methods of therapy for disorders of articulation.

lation. The course includes the development of a therapeutic program, lesson plans, and supervised clinical practicum.

XC 420—Public School Program Administration (2-6-5)

Prerequisite: Admission to Teacher Education.

Administration and implementation of public school speech therapy programs including identification, case load selection, scheduling, service, and relationship of speech therapy to the total school program. Supervised clinical practicum.

XC 422—Manual Language for the Deaf (2-5)

Prerequisite: Admission to Teacher Education. Offered on demand.

A study of the practices, procedures and methods in teaching manual language to the deaf, with a review of the historical philosophies and current trends and literature. At the conclusion of the course the student will have a working ability to communicate with a manual deaf individual as well as the ability to teach deaf children the process of manual language.

XC 430—Teaching Children with Learning Disabilities (3-4-5)

Prerequisites: EXC 213, Introduction to Learning Disabilities and EDN 422, The Teaching of Reading; admission to Teacher Education.

Teaching strategies for children with specific learning disabilities. A focus on approaches, techniques, and materials with directed application.

Library Media/Science Offerings

LM 300—Introduction to Media Profession (0-2)

An introductory course in which students examine the role, functions and services of different types of libraries and information centers. Emphasizes the role and responsibilities of librarians/media specialists. Includes also the social role of libraries and library networks. The student is given an opportunity to be involved in public, school, and special libraries during field experience.

LM 310—Reference Sources (5-0-5)

Study of basic reference sources, including searching strategies. The course has two phases: (1) study and evaluation of major types

of references and information sources; (2) study of specific sources of information in elementary and secondary schools as well as specific sources for a subject field.

LM 320—Cataloging and Classification (5-0-5)

Introduction to the basic principles of cataloging and classification of multimedia materials combined with practical experience. Dewey Decimal and Library of Congress Classification; Sears and Library of Congress Subject headings; purchasing of printed library cards, and their adaptation and arrangement in the card catalog. Problems peculiar to the media specialist are considered. Practical experience is also offered.

LM 410—Media Selection (3-0-3)

Winter.

Selection of various types of media, based on fundamental principles and objectives. The course has three phases: (1) selection criteria, source lists and their use in media selection, publishing, and order process; (2) selection and evaluation of media for children considering curricular considerations and understanding of the media specialist's responsibilities toward guidance in media; and (3) selection and evaluation of media for young adults considering curricular correlations and enrichment; recreational and developmental needs; young adult services and programs. Includes field experiences.

LM 420—Administration of Information Centers (5-0-5)

Spring. Prerequisites: LM 300, 310, 320, 410.

Study of organization and administration of all types of information centers including administering the budget, purchase of materials, personnel, circulation, equipment, routines and schedules, maintenance of the collection, preventive maintenance and minor repairs of equipment, and relations with administration and users will be considered. Students will examine the role of the media specialist in the curriculum process and media center instruction and orientation. School library media philosophies and educational objectives will also be examined. Concurrent enrollment in Media Internship is recommended.

LM 425—Media Internship (0-12-5)

Offered on demand. Prerequisites: LM 300, 310, 320, 410, with a grade of "C" or higher and concurrent enrollment in LM 420.

Supervised experience in library media center, or other appropriate setting. Students must complete 120 clock hours of work. Offered on a pass/fail basis. Application for the Internship must be made at least one quarter in advance.

LS 110—Introduction to Library Research and Materials (1-0-1)

An orientation to the library, library terminology, search strategy formation, and major library aids such as the card catalog, classification and subject heading guides, periodical indexes and abstracts, encyclopedias, dictionaries, almanacs, handbooks and yearbooks, reviews, and criticisms, and biographical sources. This course will provide students with opportunities to learn how to access information in a variety of formats so that they can continue life-long learning.

(The following library science courses are administered by the Director of Library Services and are taught by professional library faculty.)

LS 311—Principles of Library Research and Materials (1-0-1)

Study of two separate but complementary aspects of library research, research methodology and research tools. The methodology section addresses the way in which a research paper is written, from the selection of a topic to the paper's final bibliography. The study of tools focuses on various print, non-print and on-line resources and services available to the student preparing a scholarly paper. Nursing and allied health resources are emphasized.

LS 312—Information Resources in the Humanities (1-0-1)

Extensive study of basic and advanced reference materials and search techniques in the humanities.

LS 313—Information Resources in the Social Sciences (1-0-1)

Extensive study of basic and advanced reference materials and search techniques in the social sciences.

LS 314—Information Resources in the Sciences (1-0-1)

Extensive study of basic and advanced reference materials and search techniques in the sciences.

SSC Business Education Offerings

Special Note: The following courses are requirements of varied Bachelor of Science in Education degree programs offered cooperatively with Savannah State College. The courses are listed in alphabetical order by course description prefix. The prefix codes are spelled out in the degree programs themselves.

ACC 211-212—Principles of Accounting I and II (5-0-5)

Fall, Winter. Prerequisites: A grade of "C" or better in Math 101 and 220.

An introduction to the principles and procedures of accounting. Detailed study of the technique and formation of balance sheets, income statements, ledger accounts, and journals.

ACC 301-302—Intermediate Accounting I and II (5-0-5)

Prerequisites: ACC 211-212.

Theory and problems application of accounting. Includes analysis, interpretation, and applications of statements, investments, funds, and evaluations of fixed assets and liability accounts.

ACC 325-326—Federal Income Tax Procedures I and II (5-0-5)

Prerequisite: ACC 212.

An analysis of the Federal Income Tax Law and its application to individuals and partnerships. Extensive practical problems; preparation of returns. Part II emphasizes federal taxation on corporations and fiduciary returns gift taxes and estate taxes.

ACC 440—Business Information Systems (5-0-5)

Prerequisite: ACC 302 or consent of instructor.

Basic computer concepts applied to system and methods design, data flow analysis, and the development of an understanding of a need for control procedures in a business information system.

BAD 201—Introduction to Business Data Processing (5-0-5)

A concepts course on methods of processing data as related to business, includes the use of terminals and microcomputer systems as faci

tating units for the recording and reporting of data. Included in the course of study are the telecommunication terminal systems and the languages necessary to communicate with a computing system.

BAD 317—Business Law I (5-0-5)

A study of legal rights, social forces and government regulations affecting business; an in-depth study of the law of contracts; the law of personal property and bailments.

BAD 225—Business Communications (5-0-5)

Spring, Summer. Prerequisite: ENG 101.

The application of basic principles of English grammar, basic report writing, and research techniques to presentations and written communications in relation to new media enters into the consideration given to communication theory.

BAD 320—Business Finance (5-0-5)

Prerequisite: BAD 331.

Principles, problems, and practices associated with the financial management of business institutions; nature and types of equity financing, major types of short-term and long-term debt; capitalization; financial statements, working capital requirements, reorganization; bankruptcy; methods of inter-corporate financing. Prerequisite: BAD 331.

BAD 340—Principles of Marketing (5-0-5)

Prerequisite: ECO 201

The distribution of goods and services from producer to consumers, market methods employed in assembling, transporting, storage, sales and risk taking; analysis of the commodity, brands, sales methods and management; advertising plans and media.

BAD 350—Materials of Teaching Business Subjects (5-0-5)

Winter. Prerequisite: appropriate background in Business and Office Administration.

An analysis of specialized methods used in teaching business subjects on the secondary level from which the student involves personal philosophy to determine teaching procedures. Includes basic principles and curriculum structure of general and vocational business education.

BAD 360—Business Organization and Management (5-0-5)

Fall.

A comprehensive study of principles of business organization and management. Emphasis is placed upon reports by students in which they collect data and make analyses necessary for organizing a business of their own choosing.

BAD 400—Personal Finance (5-0-5)

Devoted to family financial matters including budgeting, expenditures, taxes, credit, savings, investments and insurance, mutual funds, estate planning, trusts, wills, estate and gift taxes.

BAD 425—Managerial Accounting (5-0-5)

Prerequisites: ACC 212, BAD 331 and BAD 360.

The study, interpretation and analysis of financial statements as tools of the management decision-making process. Some knowledge of statistical procedures as well as basic accounting procedures are needed for studying this course.

BAD 465—Business Policy (5-0-5)

The integration of knowledge of the various fields of business, with emphasis on decision making. Case study approach.

ECO 201—Principles of Macro-Economics (5-0-5)

Basic economic concepts, with emphasis on the role of government; national income and products; business cycles; money and banking; fiscal and monetary policy and international trade.

ECO 202—Principles of Micro-Economics (5-0-5)

Basic economic concepts continued from 201. Factors of production; supply and demand; determination of prices and of income; monopolies; the problem of economic growth; and comparative economic systems.

IAE 201—Wood Processing I (3-7-5)

Fall. Prerequisite: ENT 102.

Care of tools and machinery, basic hand and machine operations, material selection and finishing.

IAE 202—Wood Processing II (3-7-5)

Winter. Prerequisite: IAE 201.

A study of the construction of more advanced projects by the use of power tools and machines, and woodfinishing.

IAE 203—Industrial Arts Design (3-7-5)

Spring.

Opportunities are provided for the development of design sensitivity and an appreciation for the aesthetic quality of products. Consideration is given also to the analytical and problem-solving procedures of the industrial designers.

IAE 301—Architectural Drafting (3-7-5)

Fall. Prerequisite: ENT 102.

A study of house planning and the making of architectural working drawings.

IAE 302—Power Mechanics (3-7-5)

Winter.

A study of the theory, operation and servicing of small gas, outboard, and automotive engines. Theoretical consideration is given to turbines, jet engines, turbo-jets, and rockets.

IAE 303—Graphic Art Technology (3-7-5)

Instruction in the printing processes and areas related to the process. Experiences will include graphic design, composition, photography, offset printing and the screen process.

IAE 312—General Electricity (3-7-5)

Fall. Prerequisite: MAT 108.

The nature, forms and sources of electricity, conductors, insulators, electrical measurements, low voltage and residential wiring, electrical heating and lighting.

IAE 401—Industrial Arts Electronics (3-7-5)

Winter. Prerequisite: IAE 312.

Electro-magnetism, relays, transformers, diodes, power supplies, test equipment, small project construction and troubleshooting.

IAE 411—Curriculum Building and Shop Organization (5-0-5)

Winter. Prerequisites: Admission to Teacher Education, PSY 301 or EDN 302.

A study of the techniques of curriculum development, shop organization and management.

IAE 421—Methods of Teaching Industrial Arts (5-0-5)

Winter. Prerequisites: Admission to Teacher Education, PSY 301 or EDN 302.

Lesson plan making, shop demonstrations, use of a variety of instructional media, measuring achievement, and the various methods of teaching industrial arts.

MET 212—Metal Fabrication (3-7-5)

Winter. Prerequisite: ENT 102.

A study of various metal forming, joining and casting techniques using a variety of metals and processes. Study includes the care, setup and operating principles of equipment.

MET 223—Metal Machining Processes (3-7-5)

Spring. Prerequisite: IAE 212.

A study of lathes, milling machines, shapers, drill presses, grinders, saws, and other machining tools.

OAD 201. Beginning Typewriting/Keyboarding (1-4-3)

Current typing techniques and the application of skills in typing letters, manuscripts, and simple tables. Minimum standard for passing: 30 words per minute on time writings.

OAD 202. Intermediate Typewriting (1-4-3) (See special note.)

Introduction to production typewriting. Skill development in the typing of business letter forms, tabulation, and formal reports. Minimum passing speed: 40 words per minute.

OAD 203—Advanced Typewriting (1-4-3)

Production typewriting of office correspondence, business letters, forms, tabulations, reports, legal and medical documents. Prerequisite: OAD 202. Minimum passing speed: 50 words per minute.

OAD 300—Office Machines (1-8-5) (Same as BAD 300)

Acquaintanceship level of development of five basic classes of machines: adding and calculating; copy preparation, duplication; key punching; and word processing unit. Prerequisite: Typing proficiency.

OAD 301—Office Procedures (5-0-5)

The study of secretarial and/or clerical procedures and duties commonly encountered in business offices. Emphasis is also placed on the development of desirable personal traits. Typing proficiency required.

OAD 311—Beginners Shorthand (1-4-3)

The acquisition of shorthand fundamentals. Minimum standard for passing: 60 words per minute for three minutes with 95 percent accuracy.

OAD 312—Intermediate Shorthand (1-4-3)(See special note)**

Continued development of theory, reading and writing skills, introduction to new matter diction, and transcription of mailable letters. Minimum standard for passing: 80 words per minute for three minutes with 95 percent accuracy. Prerequisites: OAD 202 and OAD 311.

OAD 313—Advanced Shorthand (1-4-3)

Continuation of 312 with added emphasis on citation and transcription of simple letters and documents. Minimum standard for passing at the end of the course: 100 words per minute with 95 percent accuracy. Prerequisite: OAD 312.

OAD 340—Word Processing Concepts and Techniques (2-6-5)

The development of basic concepts and operational techniques on selected Word Processing units. Prerequisite: OAD 301. Typewriting proficiency required.

OAD 425—Administrative Management (1-0-5)

A systems approach that provides the framework for understanding the role of the administrative manager in today's modern enterprise. In-depth treatment and analysis of the tools, techniques, and concepts which make the efforts of the administrator more effective.

SPECIAL NOTE

**OAD 202 — INTERMEDIATE TYPEWRITING AND OAD 312 — INTERMEDIATE SHORTHAND are designed for Office Administration majors who have demonstrated proficiency in typewriting and/or shorthand.

A student who cannot perform effectively on the typing theory test and who cannot type at a minimum rate of 30 words per minute should take OAD 201—Beginners Typewriting prior to enrolling for the intermediate course.

A student who cannot perform effectively on the shorthand theory and who cannot take shorthand at a minimum of 60 words per minute should take OAD 311 — Beginners Shorthand prior to enrolling for the intermediate course.

Advisement and/or placement tests for these courses are given prior to beginning of each quarter.

TIE 100-200-210-300—Cooperative Industrial Work Experience (0-0-5)

All quarters.

Student works in industry under the supervision of a college coordinator to gain practical work experience in the occupational area he plans to teach. If the student has prior acceptable work experience in his occupational area, credit will be granted in these courses proportionately.

TIE 301—History of Vocational Education (5-0-5)

A study of the development of vocational-industrial education in the United States, with emphasis on personalities and technical developments that influenced its growth.

TIE 303—Shop Management (5-0-5)

A study of the sources of materials, means of purchasing, methods of inventorying; systems of arranging, installing, maintaining, storing and issuing shop tools and equipment.

TIE 311-313-401-402-403—Competency in Occupation (0-0-5)

Graduates of vocational-technical schools and others with occupational competency in an appropriate trade and industrial teaching field may receive credit by successfully passing occupational competency examinations or other evidences of competency.

TIE 323—Occupational Analysis (5-0-5)

A study of the techniques of defining, identifying, classifying, organizing and expressing essential teachable elements of occupations for instructional purposes.

TIE 410—Instructional Aids (5-0-5)

This course is designed to motivate and teach trade and industrial education teachers to design, construct, and use all types of instructional aids which will facilitate teaching and learning in vocational education.

TIE 411—Industrial Education Curriculum (5-0-5)

Winter. Prerequisites: Admission to Teacher Education, PSY 301 or EDN 302.

A study of course making and curriculum development with emphasis on organizing instructional materials for vocational-industrial education programs.

TIE 421—Methods of Teaching Industrial Subjects (5-0-5)

Winter. Prerequisites: Admission to Teacher Education, PSY 301 or EDN 302.

The techniques of making lesson plans, giving shop lectures and demonstrations, writing instruction sheets, using a variety of instructional media, and measuring student achievement in trade and industrial education.

TIE 431-432-433—Teaching Internship in Trade and Industrial Education (0-V-5)

All quarters.

A cooperative undertaking between the college and public school system to provide college supervision for employed permit trade and industrial education teachers. This experience is for one academic term and may be taken in lieu of EDN 481, 482, 483. Prerequisites: EDN 335, TIE 411, 421; vocational teaching permit; full-time employment as a trade and industrial education teacher; and approval of teacher's employer.

Graduate Programs and Courses in Education

Objectives

The Master of Education degree is designed to provide T-5 certification according to levels and specific areas as stipulated by the Georgia State Department of Education.

By offering advanced preparation to those who professionally serve in schools, the department hopes to aid in the development of teachers who possess the highest qualities of character, commitment, and professional competence. This aim will be facilitated by (1) encouraging the student to do scholarly study in advanced professional, specialized and general education subject matter; (2) helping the stu-

dent become acquainted with the most recent research developments in child growth and development and the latest trends in curriculum; (3) deepening his appreciation for performance in scientific investigation and research; and (4) promoting personal and professional maturity of the student that will be reflected in his relationships as he goes about his work in the community and in the field of education.

Advisement

Shortly after admission each student is assigned an education advisor. As soon as the student is notified of this assignment a conference should be scheduled to determine the conditions and specific requirements the student must meet in order to complete the degree and certification objectives.

Transfer of Courses

Provisions for transfer of credits are delineated in the Graduate Academic Regulation section of this catalog. Information on CATE courses transfer is published in the same section.

Comprehensive Examination

An appropriate committee of the faculty of the graduate program will administer an oral examination to all candidates for the Master's degree. The chair of the examining committee will be the student's advisor. The student and the advisor will select the other two members of the examining committee. This committee will have at least one representative from one of the content areas on the student's degree plan.

The chair will select, in consultation with the student, the date, time, and place for the examination and will report this information and the results of the examination to the appropriate department head.

The department head shall notify the Graduate Office concerning the proposed place, date and time of the examination, the composition of the Committee, and the result of the examination.

Early Elementary Education

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN EARLY ELEMENTARY EDUCATION

	Hours
Courses Appropriate to the Major	40
1. Content courses to cover three areas	25
2. Major area requirements.....	15
a. EEE 727.....	5
b. EEE 77 or 757.....	5
c. Elementary Ed. course elective.....	5
Professional Education Courses	20
1. EDN 722.....	5
2. EDN 731, 771 and EDN 741	15
TOTAL	60

Special Note: The requirement for exceptional children (EXC 622) must be met either at the graduate or undergraduate level. Meeting this any special need will require additional hours beyond the basic sixty.

Reading Certification Program (T-5 Reading Endorsement)

Selected appropriate hours with advisement from the following courses: EDN 641, EDU 645, EDN 743, 744, 753, 754.

Middle School Education

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN MIDDLE SCHOOL EDUCATION

Several specialization programs are offered under the aegis of the MEd degree in teacher education. These specialized programs of study provide, in addition to the graduate major in middle school education which leads to T-5 certification, opportunity for students to qualify for certain other kinds of certification.

Graduate students majoring in middle school education must complete a minimum of sixty hours of approved courses in the following three areas: Professional Education Sequence, Specialized Courses, and Approved Electives.

One course in reading must be taken if not taken previously as well as an appropriate course in exceptional children if not taken previously.

The specialized content courses may be chosen from the following areas: art; music; foreign languages; health and physical education; language arts, including reading, literature, speech, linguistics; mathematics and science; and the social studies. Educational background, types of teaching experience, specific needs, interests and the goals of students will be the determinants for staff advisement in student selection of content areas. Upon the basis of the foregoing factors, students must choose specialized courses from at least three (including language arts) content areas.

	Hours
A. Courses Appropriate to the Major and Specialization	40
1. Major field (content) courses in middle or elementary education	25-30
2. Approved electives	10-15
Elective courses are to be selected with advisement. For students not previously having a course in middle school education, EDN 650—The Middle School is required. Certification Options:	
Compatible with Education programs are certification options in the specialized areas which follow. Students desiring certification in either option may take the required courses as they pursue the master's degree in their respective teaching fields.	
a. Supervising Teacher Services ..	15
Specific electives include: EDN 681, 682, 683	
b. Reading	25

Reading Certification Program (T-5 Reading Endorsement)

Selected appropriate hours with advisement from the following courses: EDN 641, EDN 654, EDN 743, 744, 753, 754.

B. Professional Education Courses.....	20
1. EDN 721 or EDN 722.....	5
2. EDN 731, 771, EDN 741.....	15
TOTAL	60

education subject matter; (2) helping the student become acquainted with the most recent research developments in child growth and development and the latest trends in curriculum; (3) deepening the student's appreciation for performance in scientific investigation and research; and (4) promoting personal and professional maturity of the student that will be reflected in the student's relationships at work in the community and in the field of education

Advisement

Shortly after admission each student is assigned an education advisor. As soon as the student is notified of this assignment, a conference should be scheduled to determine any conditions and specific requirements the student must meet in order to complete the degree and certification objectives.

Transfer of Courses

Provisions for transfer of credits are delineated in the Graduate Academic Regulations section of this catalog. Information on CATES course transfer is published in the same section.

Comprehensive Examination

An appropriate committee of the faculty of the graduate program will administer an oral examination to all candidates for the Master's degree. The chair of the examining committee will be the student's advisor. The student and the advisor will select the other two members of the examining committee. This committee will have at least one representative from one of the content areas on the student's degree plan.

The chair will select, in consultation with the student, the date, time, and place for the examination and will report this information and the results of the examination to the appropriate department head.

The department head shall notify the Graduate Office concerning the proposed place, date and time of the examination, the composition of the Committee, and the result of the examination.

Secondary Education

Degree Programs

Master of Education degree programs in Business Education, Social Studies Education and Science Education are offered in cooperation with Savannah State College and with selected departments at Armstrong State College. M.Ed. degrees in English and Mathematics are described in those departmental sections.

Objectives

The MEd degree is designed to provide T-5 certification according to levels and specific areas as stipulated by the Georgia State Department of Education. Degree programs for most secondary areas of certification such as English, history, science, etc. are described in this area of the catalog and are administered by the Department of Education in cooperation with the respective departments. The program for the M.Ed. in mathematics is described in the mathematics section of the catalog. The Education Department also offers several complete programs leading to certification such as Special Education, Behavior Disorders, Reading Specialist, etc. The education department head can provide guidance for meeting the certification requirements.

By offering advanced preparation to those who professionally serve in schools, the departments hope to aid in the development of teachers who possess the highest qualities of character, commitment, and professional competence. This aim will be facilitated by (1) encouraging the student to do scholarly study in advanced professional, specialized and general

Business Education

Advisement

Upon admission to this program each student assigned an advisor who approves a program of study. As soon as the student is notified of this arrangement a conference should be scheduled by the student.

Comprehensive Examination

During the final quarter of residence a candidate must pass a final comprehensive examination in the field. The Business Education Coordinator shall notify the student, the Dean of the School of Arts, Sciences, and Education and the appropriate official at Savannah State College ten days prior to examination concerning the proposed place, date and time of examination and the composition of the committee. The Examining Committee's decision on the candidate's performance on the Comprehensive Examination will be reported as "pass" or "fail" to the Dean of the School of Arts, Sciences, and Education within three days after the examination.

Students interested in enrolling in the M.Ed. in Business Education should contact the Head of the Education Department at Armstrong State College, or Drs. Harven or Lamb of the School of Business at Savannah State College. The Business Education Program is a cooperative program between Savannah State College and Armstrong State College. Course descriptions and courses appropriate to this program are found in the Graduate Catalog of Armstrong State College and the Graduate Catalog of Savannah State College under the areas of Education and Business, respectively.

Because of the cooperative nature of the Business Education program, students are encouraged to stay in close contact with their advisors.

Transfer of Courses

Students who have earned graduate credits from an accredited institution may transfer a limited number of credits to be applied toward the M.Ed. degree in Business Education. Transfer of credit is handled on an individual basis.

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN BUSINESS EDUCATION

	Hours
A. Business Education Courses.....	35
1. Core Courses	25
BAD 603, BED 601, 621, 622, 623.....	25
2. Option Courses	10
Select two courses from BAD 602, 604, 613, 621, 622.....	10
B. Professional Education Courses.....	20
1. EDN 722, 731, 771	15
2. EDN 741	5
C. Elective	5
Five hours from business administration, business education, or education to complement the student's program. An appropriate course in exceptional children (EXC 622) must be taken, if not previously taken.	
TOTAL	60

The following courses are available at Savannah State College as a part of the cooperative Business Education Program.

BED 601—Current Problems in Business Education (5-0-5)

A study of the historical perspective or foundations of business education; current issues, problems, trends, curriculum development.

BED 621—Communicative Skills (5-0-5)

Trends, methods, and procedures in the teaching of shorthand and typewriting.

BED 622—Office Information Systems (5-0-5)

Prerequisite: OAD 340: Word Processing Concepts or equivalent background.

The impact of concepts, practices, and trends in word processing and reprographics in a comprehensive business education program.

BED 623—Accounting and Basic Business (5-0-5)

Prerequisite: Eligibility for T-4 certification in Business Education.

Issues and instructional strategies.

Science Education

Advisement

Upon admission to this program each student is assigned an advisor who approves a program of study. As soon as the student is notified of this assignment a conference should be scheduled by the student.

Comprehensive Examination

To receive the MEd degree with a concentration in science education, each student is required to pass a comprehensive examination covering the areas in which he has had course work. The examination may be oral or written. Oral examinations will last approximately one and one-half hours; written examinations will last approximately three hours. This examination will be completed no later than mid-term of the quarter preceding that in which graduation is anticipated. If the student should fail the examination, he may be reexamined orally or in writing, at the discretion of the departments in areas of specific weakness only. The Coordinator shall notify the student and the Dean of the School of Arts, Sciences, and Education ten days prior to the examination concerning the proposed place, date, and time of the examination. The results of the examination are to be reported to the Dean of the School of Arts, Sciences, and Education within three days after the examination.

Transfer of Courses

Students who have earned graduate credits at an accredited institution may transfer a limited number of credits to be applied toward the MEd degree in Science Education. Transfer of credit is handled on an individual basis.

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN SCIENCE EDUCATION

	Hours
A. Science Courses	35
1. EDN 798	5
2. Other courses are selected, in consultation with the student's advisor, from the graduate courses in biology, chemistry,	

earth science, mathematics and physics. Each student will be required to take at least 30 hours of science content courses to include at least ten hours from each of two separate disciplines

B. Professional Education Courses	2
1. EDN 722, 731, 771	1
2. EDN 741	
C. Elective	

Electives are to be chosen through advisement and according to individual needs and may include courses in science, education, or a suitable third field with the prior approval of the student's advisor. An appropriate course in exceptional children (EXC 622) must be taken, if not previously.

TOTAL

Social Studies Education

Objectives

The purpose of the graduate program in Social Studies is, first and foremost, to increase the academic and professional skills, competence and enthusiasm of secondary teachers in the special fields and in the social studies generally.

In the broadest sense, the goal is to provide continuing intellectual enrichment to mature adults of diverse interests, whose desire for learning has not ceased and for whom any degree marks but a stage in a continuing process of personal growth.

Advisement

Shortly after admission to the program in Social Studies, each student should contact the coordinator to secure an advisor. As soon as notified of the assigned advisor, the student should arrange for a conference and begin planning a degree program. Failure by the student to consult regularly with the advisor may greatly lengthen the time necessary to complete the program.

Transfer of Courses

Students who have earned graduate credits at one or more accredited institutions may, under certain circumstances, transfer a limited number of quarter hours of such credits to

applied toward the MEd degree program in Social Studies. Such transfer of credits is handled on an individual basis and requires the written approval of the student's advisor and the Department Head. In any case, no more than ten hours credit will be considered for transfer into the major field.

Comprehensive Examination

Satisfactory performance on comprehensive examinations, both written and oral, will be required of all degree candidates. (The oral comprehensive examination required of "all candidates for the Master's degree", will be satisfied by taking the oral comprehensive examination required in this section.) Candidates should notify their advisor of their readiness to be examined at the time they apply for the degree—i.e., no later than mid-term of their next final quarter. The Departments of Government and History have detailed guidelines on comprehensive examination procedures, a copy of which will be given to each candidate at the time of application for comprehensive examinations is made.

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN SECONDARY EDUCATION—MAJOR IN SOCIAL STUDIES

Teachers with baccalaureate degrees and who are certified in history, political science, or other social science disciplines earn T-5 certification within the context of a balanced social science curriculum. Of the 60 hours (12 courses) required to complete the degree, 40 will be selected from history, political science and economics. These, in addition to 20 hours of professional education, courses in the Social Sciences are required as follows:

	Hours
History.....	20
Including one course each in American, European, some area of Non-Western History and in Historiography.	
Political Science.....	10
Economics.....	5
Elective.....	5
Selected with the advisor's consent from Economics, History, or Political Science.	
TOTAL	40

Those with appropriate undergraduate preparation but who do not possess a teaching certificate may also pursue this degree. Additional coursework establishes qualifications for T-5 certification.

Close supervision and individual advisement insure that the program will be tailored to the needs of each student enrolled in it and will provide an adequate foundation for teaching a variety of subjects in the Secondary Social Studies curriculum.

Special Education

Armstrong State College offers Master in Education degrees in the areas of Learning Disabilities, Behavior Disorders, and Speech/Language Pathology. Courses are also available to post-baccalaureate students who are certified in another area and wish to add certification in Learning Disabilities or Behavior Disorders. Such a program must be planned according to the requirements of the Certification Office of the State Board of Education.

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN SPECIAL EDUCATION—BEHAVIOR DISORDERS

Special Note: The prerequisite for this degree program includes Introduction to Exceptional Children (EXC 622).

	Hours
A. Professional Education Courses.....	20
1. EDN 722, 731, 771	15
2. EDN 741	5
B. Specialization Courses.....	30
1. EXC 723, 754, 780, 781.....	20
2. EXC 785, 786	10
C. Related Field Courses.....	10
Two courses selected from: EDN 641, 645, 753; EXC 625, 626, 721, 755, 760, 770, 773, 775, 788, 790, 791, 792; CJ 501	
TOTAL	60

Special Note: Students are required to complete a minimum of ten hours practicum (cf. specialization courses) in one of the following ways:

- A. EXC 785 and EXC 786 may be completed over a two quarter period by those students who are working full time with Behavior Disordered students, or
- B. Students who are not employed full time may complete EXC 785 and 786 by working two different quarters in two different settings (such as Georgia Regional Hospital, Psychoeducational Center, Behavior Disorders classes) for a minimum of 10 hours per week for the quarter.

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN SPECIAL EDUCATION—LEARNING DISABILITIES

Special Note: Prerequisites for this degree program include Introduction to Exceptional Children (EXC 622), a T-4 Certificate, and one year of teaching experience.

	Hours
A. Professional Education Courses.....	20
1. EDN 722, 731, 771	15
2. EDN 741	5
B. Specialization Courses.....	30
1. EXC 723, 741, 755.....	15
2. EXC 770, 775, 788.....	15
C. Related Field Courses.....	10
Two courses selected from: EDN 721, 744; EXC 625, 754, 760, 773, 793	
TOTAL	60

PROGRAM FOR THE DEGREE OF MASTER OF EDUCATION IN SPECIAL EDUCATION—SPEECH/LANGUAGE PATHOLOGY

Special Note: Prerequisites for this degree program include Introduction to Exceptional Children (EXC 622) and a T-4 Certificate in Speech Pathology or its equivalent.

	Hours
A. Professional Education Courses.....	15
1. EDN 722, 731.....	10
2. EDN 771.....	5
B. Specialization Courses.....	40
1. EXC 730, 732, 734, 736.....	20
2. EXC 737, 738, 739, 740.....	20

C. Related Field Courses.....	
One course selected with advisement from the following: EXC 723, 754, 755, 770, 775, 760, 790, 791, 792; EDN 641	
TOTAL	6

Graduate Course Offerings

EDN Offerings

EDN 600—Internship (O-V-5)

(Grade awarded, S or U only)
Students who hold teaching positions in school and/or clinic settings will be supervised by college staff members for one academic year. Supervisors will observe and hold conferences with each candidate. Students must complete one academic year to receive credit.

EDN 602—Practicum in Middle School Education (O-V-5)

(Grade awarded, S or U only)
Supervised experience with middle school children, level dependent upon prior experiences of student. Seminars, projects, and search planned according to student needs.

EDN 604—Practicum in Middle School Education (O-V-5)

(Grade awarded, S or U only).
Supervised experience with middle grade children, level dependent upon prior experiences of student. Seminars, projects and search planned according to students' need.

EDN 618—Literature for the Middle School Learner (5-0-5)

(See EDN 418 for course description.)

EDN 620—Adolescent Literature (5-0-5)

An examination of the values to be found in folk tales, classical myths and legends; as well as the body of contemporary writing, especially created to satisfy interests and needs of adolescents.

EDN 621—Tests and Measurements (5-0-5)

Principles and procedures in evaluating pupil growth.

EDN 628—Reading in the Middle School (0-5)

Primary focus upon reading as a tool for extending learning in the content areas in the middle school. Emphasis is placed upon strategies

at students can use to learn vocabulary, comprehend written materials, study and abstract information from content materials.

EDN 632—Multicultural Education (5-0-5)

Educational study as it relates to the American multi-ethnic society. Particular emphasis on ethnic minorities.

EDN 640—Teaching Language Arts in Elementary School (5-0-5)

Exploration in the four broad areas of the language arts. Investigation of pertinent research of the past decade; opportunities for enriching experiences with media.

EDN 641—Methods of Teaching Reading (5-0-5)

Basic principles and methods underlying the school reading program.

EDN 642—Reading and Literature for Children (5-0-5)

Designed to acquaint elementary teachers with the stimulating language environment of the world of literature for children. The literature approach of language learning seeks to assist the teacher in guiding children to become active, sensitive learners who explore, inquire, and discover.

EDN 645—Reading in the Secondary School (5-0-5)

This course is designed to provide students with the rationale for teaching reading as they teach their content areas.

EDN 650—The Middle School (5-0-5)

(See EDN 450 for course description.)

EDN 651—Newer Teaching Media I (2-6-5)

Prerequisite: Undergraduate media or permission of instructor.

Course in multi-sensory learning and the utilization and preparation of audio-visual materials. Includes the areas of programmed instruction, instructional design, and computers in education.

EDN 665—Introduction to Adult Education (5-1-5)

Prerequisite: Baccalaureate degree in teaching field or permission of Department Head.

An overview of the historical, philosophical issues affecting adult education in the United States. Attention will be given to purposes and practices in the field.

EDN 666—Psychology of Adult Learning: How Adults Learn (5-0-5)

Prerequisite: EDN 665.

Designed to provide the student of adult education with an opportunity to become acquainted with psychological factors which influence the adult's learning behavior. Specifically, the course will enable the student of adult education to acquire and/or to develop a basic understanding of the research and theoretical formulations regarding adults as learners.

Emphasis will be placed upon conditions that affect the adult learner in terms of his ability, potential, motivation, self-perception, role identification status and cultural background.

EDN 668—Adult Education-Strategies and Resources (5-0-5)

Prerequisite: EDN 666.

Study and evaluation of methods and materials employed in teaching adults. Utilization of psychology of teaching the adult learner with emphasis upon current teaching strategies for the educated and under-educated adult.

EDN 681—Directed and Evaluating Student Teaching (5-0-5)

Information, skills and understanding required for effective supervision of student teachers. Selected teachers.

EDN 682—Internship for Supervising Teachers (5-0-5)

(Grade awarded, S or U only.)

Cooperative field experience involving public school teachers, student teachers, college personnel.

EDN 683—Seminar in Supervision (5-0-5)

An opportunity for experienced supervising teachers to evaluate criteria and to develop plans for increasing skills in guiding student teachers.

EDN 690—Teachers, Environment, and Free Enterprise Institute (6-7-10)

This course is designed to assist teachers in increasing their understanding of the relationships of our physical and social environments and the free enterprise system. Emphasis will be placed upon the incorporation of this knowledge into classroom subject-matter teaching. The course will utilize consultants from government, public utilities, industry, and education and will be supplemented by field trips.

EDN 691—Science for Elementary Teachers (5-0-5)

Opportunities for acquiring scientific knowledge and methodology appropriate for the elementary grades.

EDN 702—Seminar in Education for Staff Development (V-V-V)

Offered on demand. Prerequisites: Students must be enrolled in an approved staff development activity sponsored by a local school system. Admission to the course must be approved by the student's advisor and by the department head.

This course is designed to provide a framework through which teachers and local school systems, in conjunction with the college, may offer graduate credit for approved staff development activities. Credit for this course may be approved for either content or elective work. With a change in content, this course may be repeated for additional credit.

EDN 711—Philosophy and History of Education (5-0-5)

Traditional and modern philosophical systems and their impact on educational theory and practice.

EDN 721—Advanced Studies in Human Growth and Development (5-0-5)

A comprehensive view of human growth and development with emphasis upon the recent literature in these fields.

EDN 722—The Nature and Conditions of Human Learning (5-0-5)

An advanced study of the various theories of learning with emphasis upon the latest ideas in this field.

EDN 725—Contemporary Problems in Educational Psychology (5-0-5)

Prerequisites: Two or more courses in psychology or sociology or a combination of the two.

A seminar to explore contemporary problems of a psycho-social nature affecting education.

EDN 731—Social Foundations of Education (5-0-5)

Basic graduate course in the contribution of the social sciences to education, focused on the significant issues and problems of education.

EDN 741—Curriculum Planning (5-0-5)

Treatment of curricular trends and issues. Emphasis upon criteria needed for curriculum planning and development.

EDN 743—Problems in Reading (5-0-5)

Prerequisite: EDN 641.

Content based upon problems met in the teaching of reading and fundamental principles and methodology of the reading process.

EDN 744—Diagnosing and Prescribing in the Reading Process (5-0-5)

Prerequisite: EDN 641.

Designed to evaluate primary issues in differentiated instruction. Examination of techniques employed in diagnosing and prescribing for reading difficulties.

EDN 750—Practicum in Health Education (1-8-5)

Supervised, educational activity in a variety of settings including, but not limited to public health agencies, private health facilities and public schools. The course will be devoted to the design and implementation of health curriculum and includes a weekly one hour seminar on campus.

EDN 751—Newer Teaching Media II (2-6-5)

Prerequisite: EDN 651 or permission of instructor.

An advanced course emphasizing design and production of instructional materials in a laboratory setting. Student will design, produce and try out individual projects using a variety of media.

EDN 753—Remedial Reading Practicum (2-8-5)

Prerequisite: EDN 744.

A study of the various methods and materials utilized to test and teach remedial readers. The student will be required to tutor one poor reader.

EDN 754—Organization and Supervision of the Reading Program (5-0-5)

Prerequisite: EDN 641.

Designed to provide an in-depth study of the roles of the reading specialist.

EDN 761—Principles and Practices of Guidance and Counseling (5-0-5)

Guidance and counseling philosophy, process and techniques with application to individual and group training and therapy.

EDN 762—Guidance in Elementary Schools (5-0-5)

Application of the guidance point of view and guidance techniques to the elementary school classroom. Emphasis is upon the teacher's role in cooperating with professional guidance workers.

EDN 771—Education Research (5-0-5)

Methodology of educational research and its application to instruction and guidance.

EDN 772—Field-Based Research (V-V-5)

Research theory and an "on-the-job" research project dealing with improvement in the student's specific situation.

EDN 773—Individual Research (0-V-5)

Prerequisite: EDN 771.

Under the direction of a graduate faculty advisor, students conduct research relating to their professional interests and responsibilities.

EDN 775—Individual Study in Education (0-(1-5))

Prerequisite: EDN 771.

Opportunities provided for supervised research and independent study in selected areas. Research and reading in education to meet the needs of students involved. Designed for students with a knowledge of research. All work offered on an individual basis with the approval of department chairman, advisor, and instructor concerned.

EDN 791—Environmental Science (5-0-5)

Exploration of science principles through problem-solving. Designed to make environmental science situations meaningful.

EDN/ZOO 792—Zoology for Elementary Teachers (5-0-5)

Modern approaches to teaching the biological sciences. Emphasis on understanding of life processes in the animal kingdom.

EDN/BOT 793—Botany for Elementary Teachers (5-0-5)

Lecture-laboratory course dealing with principles involved in classifying and identifying plant life.

EDN/CHE 794—Chemistry for Elementary Teachers (5-0-5)

A study of the more important metallic and non-metallic elements with emphasis on practical application at the elementary school level.

EDN/PHS 795—Earth Science for Elementary Teachers (5-0-5)

A study of the composition of earth, classification and identification of rocks and minerals in format appropriate for teachers of elementary-age children.

EDN 796—Geography for Elementary Teachers (5-0-5)

A critical examination of instructional procedures and techniques in teaching geography in elementary grades. Selection, organization and presentation of structured facts of human environment, both cultural and physical. Emphasis given to the conceptual approach in the analysis of space and regional interaction.

EDN 797—Social Studies for Elementary Teachers (5-0-5)

Investigation of newer approaches to social studies teaching. Emphasis on related skills as map and graph reading. Analysis of behavioral objectives for social studies teaching.

EDN 798—Problems in Science Teaching (5-0-5)

Content is based upon problems met in the teaching of science with emphasis on the scientific method using the inquiry approach.

Economic Education Offerings
EED 600—Dynamics of the American Economy (5-0-5)

This course is designed for teachers and consists of a comprehensive overview of the American economic system, with particular emphasis upon critical economic issues that influence society. Teaching methodology, applications, and materials development are presented as an integral part of the course.

EED 610—Personal Finance (5-0-5)

This course is designed for teachers and covers the basic elements of personal finance needed by individuals and family units in making wise decisions in today's society. Concepts covered include: assessment of individual resources, selective spending, credit, taxes, insurance, savings, investments, and budgeting. The course includes learning activities, curriculum development, and skills acquisition. An introduction to the use of computers in personal finance is integrated into the course.

Early Elementary Education (EEE) Offerings

EEE 557—Movement Exploration and Motor Learning in Children (5-0-5)

Emphasis on understandings, skills, and teaching techniques in movement education needed in the teaching of young children and pre-adolescents.

EEE 558—Creative Activities in Art, Music, Dance and Drama (5-0-5)

Focus on activities in the four designated areas, utilization of interdisciplinary approach.

EEE 602—Practicum in Early Elementary Education (O-V-5)

(Grade awarded, S or U only.)

Supervised experience with young children, level dependent upon prior experiences of student. Seminars, projects and research planned according to students' needs.

EEE 727—Child Growth and Development (5-0-5)

Lecture and laboratory. Basic concepts and problems of child development; observation, behavior patterns, child study.

EEE 737—Foundations of Early Childhood Education (5-0-5)

Historical developments, philosophy and objectives of nursery schools, kindergartens, and day care centers; exploration of teacher-child and teacher-family interactions, diagnosis and evaluation of children.

EEE 738—The Young Child and His Family, School, Community (5-0-5)

Interaction with community for services and resources. Family study from many different angles, utilizing data from various fields, developing skills in procedures and techniques for working with parents.

EEE 747—Early Elementary Education Curriculum (5-0-5)

Content, approaches, methods and materials appropriate for young children as presented in interdisciplinary or experience approach emphasizing how language arts, science, mathematics, social studies, and the creative arts are adapted to skills and needs of children.

EEE 757—Early Elementary Instructional Strategies/Methods (5-0-5)

Review of research and programs; teaching strategies for children under ten. Implications for

program development. Developing skills involved in translating concepts into classroom practice.

Education of Exceptional Children (EXC) Offerings

EXC 622—Introduction to Exceptional Children (5-0-5)

An introductory study of the identification, diagnosis, and education of the atypical child.

EXC 625—Mental Hygiene in Teaching (5-0-5)

A consideration of the forces and influences on what constitutes normal behavior in person and social relationships within the school setting. Student behavior, teacher behavior, and student-teacher interaction dynamics will receive major attention. Open to qualified undergraduate students, graduate students, and teachers seeking renewal of certificates.

EXC 626—Psychology of Abnormal Behavior (5-0-5)

The study of the various forms of abnormal behavior of children; etiology, symptoms, and treatment.

EXC 723—Assessment and Measurement of the Exceptional Child (5-0-5)

This course will emphasize the means and interpretations of psychological, psychiatric, educational, and other evaluations. It will attempt to help the teacher understand and make relevant the test specialists' report.

EXC 730—Diagnosis and Appraisal of Communication Disorders (5-0-5)

Instruments and procedures in diagnosis of speech and language disorders.

EXC 732—Voice Disorders (5-0-5)

A study of the vocal mechanism and related disorders; therapeutic procedures for various kinds of voice disorders are included.

EXC 734—Language Disorders in Children (5-0-5)

Methods of differential diagnosis and remediation of the major language disorders of children.

EXC 736—Language Disorders in Adults (5-0-5)

A study of speech and language disorders in adults, with emphasis on the pathology, evaluation, and treatment of aphasia.

EC 737—Advanced Articulation (5-0-5)

A study of both functional and organically-based disorders of articulation, including etiology, diagnosis, and therapeutic procedures.

EC 738—Aural Rehabilitation (5-0-5)

Rehabilitation principles and procedures involved in management of the hearing-impaired person, including speech reading, auditory training, management of hearing aids and other amplification systems.

EC 739—Practicum I in Speech/Language Pathology (Residence) (0-15-5)

Supervised experience with a variety of communication disorders in the public school and on-campus clinic setting. The course includes the development of therapeutic programs, writing lesson plans, and conducting therapy with direct supervision.

EC 740—Practicum II in Speech/Language Pathology (Nonresidence) (0-15-5)

Supervised experience with a variety of communication disorders in off-campus, nonpublic school settings. Approved settings may include hospitals, nursing homes, special day schools, and institutions.

EC 741—Remedial Reading for the Exceptional Child (3-4-5)

First half of course consists of classroom instruction in procedures for teaching reading. Second half of course consists of tutoring an exceptional child in reading under the instructor's supervision.

EC 754—Behavioral Intervention Procedures for Children (5-0-5)

To acquaint students with historical background, developments, concepts, definitions, terminology and techniques of behavioral intervention as well as application of such procedures.

EC 755—Advanced Research and Findings in Special Education (5-0-5)

The students will be directed in research and findings in special education to deepen their knowledge of exceptional children and to draw conclusions from research to apply to specific situations. Historical perspectives and current trends in special education will be emphasized.

EC 760—Consultation with Parents and Professionals (5-0-5)

This course is designed to broaden the skills of the teacher of the exceptional child by im-

proving communication with regular classroom teachers and parents of exceptional children

EXC 770—Characteristics of the Learning Disabled (5-0-5)

Prerequisite: EXC 622 or equivalent.

The emphasis in this course will be on incidence, etiologies, prevailing characteristics, and family interactions of learning disabled children.

EXC 773—Independent Research (5-0-5)

Prerequisite: EDN 771.

Under the direction of a graduate faculty advisor, students conduct research relating to their professional interests and responsibilities.

EXC 775—Methods of Teaching the Learning Disabled (5-0-5)

Prerequisite: EXC 770.

The student will survey the various methods that have been developed to work with the learning disabled student, learn how the methods are applied, and design teaching strategies for individual learners based on the theoretical models.

EXC 780—Introduction to Behaviorally Disordered/Emotionally Disturbed (5-0-5)

Prerequisite: EXC 622.

A study of the etiology, prognosis, and treatment of behavior disorders in children. An extensive examination of the social milieu will characterize the course.

EXC 781—Education of the Emotionally Disturbed (5-0-5)

Prerequisite: EXC 780.

The student will survey the various types of programs and approaches historically and currently in operation for the emotionally disturbed child. Emphasis will be placed on those programs within the public school setting.

EXC 785—Practicum I in Special Education (0-10-5)

Five hours to be taken among the first twenty-five hours of the student's program. During this time, the student will be required to interact with behavior disordered children a minimum of ten clock hours per week in programs designed to ameliorate the disability.

EXC 786—Practicum II in Special Education (0-10-5)

Prerequisite: EXC 785.

Five quarter hours of individual studies under the direction of the student's advisor, or the advisor's designate. The student will be required

to work with behavior disordered students for a minimum of ten clock hours per week. The program will be designed so that the student develops proficiency in a minimum of one treatment mode for behavior disordered children. The student will be expected to demonstrate expertise in planning, implementing, and continuously reevaluating his/her treatment approaches.

EXC 787—Practicum III in Special Education (0-10-5)

Prerequisite: EXC 786.

Five hours taken during the final quarter of the student's program. The student will be required to serve a minimum of ten clock hours per week in facilities designed for behavior disordered and/or multiple handicapped children. The student will be expected to have direct involvement in teaching exceptional children. A portion of this five quarter hours must be served in a residential facility.

EXC 788—Practicum in Learning Disabilities (0-10-5)

Prerequisite: EXC 770 and EXC 775.

The student will be required to serve a minimum of ten clock hours per week in classes designed to teach identified learning disabled students. The student will be expected to have direct involvement in planning for and teaching

learning disabled children individually and in small groups.

EXC 790—Seminar in Characteristics of the Mildly Handicapped (5-0-5)

The seminar will cover the causes and characteristics of the mildly handicapping conditions of behavior disorder, learning disability, and mental retardation.

EXC 791—Seminar in Methods for Working with Mildly Handicapped (5-0-5)

This methods course will prepare the teacher to plan effective remediation strategies for individuals and groups of children with mild behavior disorders, learning disabilities, and mental retardation.

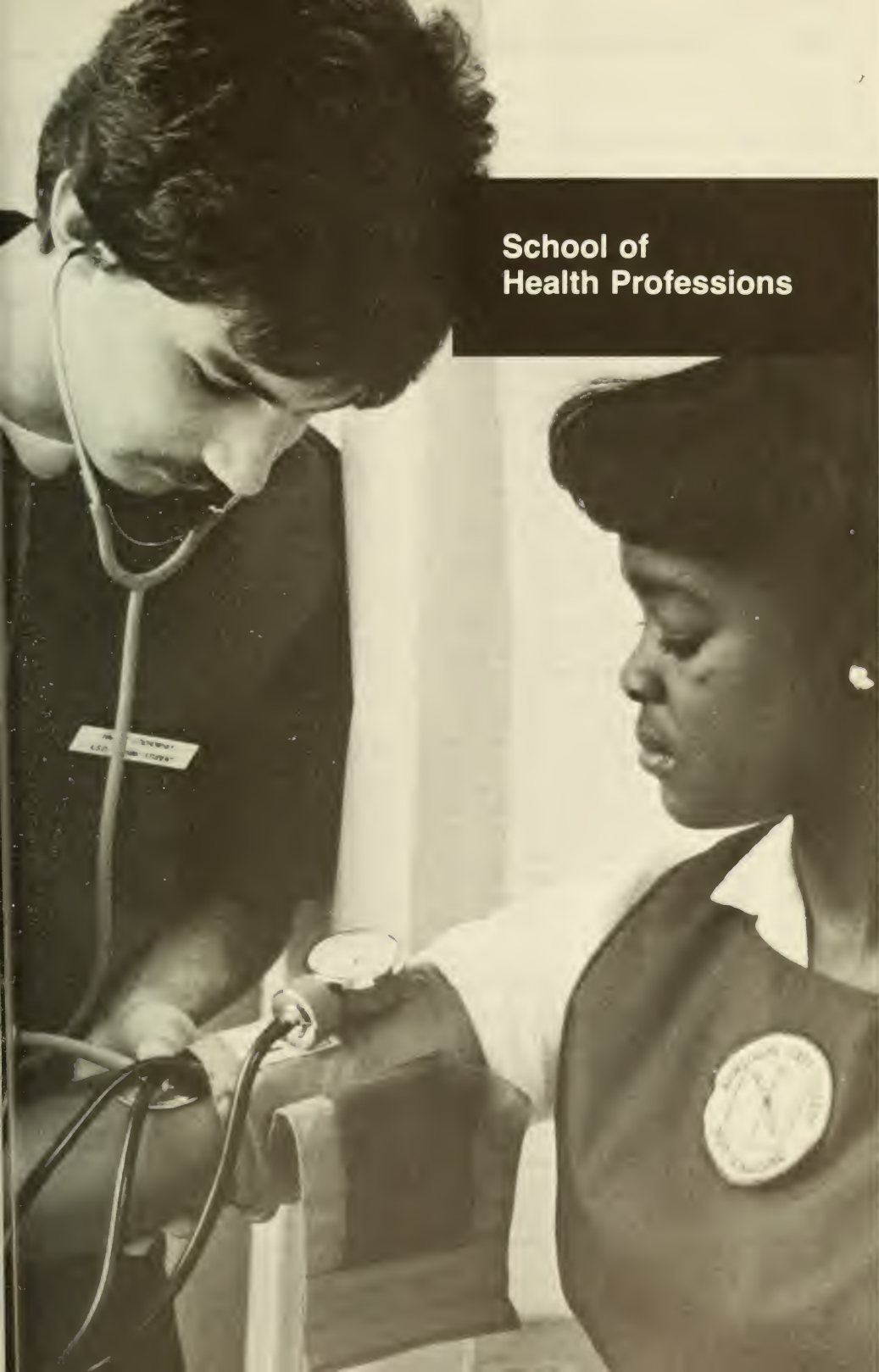
EXC 792—Practicum in Working with the Mildly Handicapped (0-10-5)

The student will spend a minimum of ten hours per week planning for and teaching groups of children who are placed in interrelated classrooms, i.e., children with behavior disorders, learning disabilities, and mental retardation.

EXC 793—Special Education Administration (5-0-5)

A study of the role of leadership personnel within general and special education in planning and implementing comprehensive educational programs for exceptional students.

**School of
Health Professions**



School of Health Professions

Repella, James, Dean

Goals and Objectives

The faculty of the School of Health Professions believes that the development of the student as an individual is a primary objective of a college education. The central role and function of the School of Health Professions is to provide an appropriate academic, intellectual, and professional milieu to develop the skills required for a high level of professional competence. This includes the development of intellectual and physical competencies; personal values and beliefs; leadership abilities; a sense of integrity, self-worth, and self-reliance; and a sense of responsibility toward the community and society. To achieve these objectives, the goals of the School are:

- To prepare graduates who possess, at the appropriate level, the competencies required in their professional endeavors, and whose practice is compatible with the ethics of democratic humanistic philosophy;
- To prepare an educational environment which will motivate the student to develop a life-long commitment to learning and services; stimulate creativity, flexibility, and independence of thought and judgement within acceptable professional and humanistic constraints; and foster appreciation for scholarship and critical reasoning;
- To develop the leadership abilities of students so they may function effectively as leaders both in their professions and in their communities;
- To anticipate and to identify problems and needs and to encourage change and open-mindedness in finding solutions through appropriate research.
- To develop the School as a planning and resource center for professional growth and community service;
- To complement other Schools of the College by providing programs of a uniquely professional character which enhance the educational opportunities of Armstrong State College.

Organization and Degrees

The School of Health Professions includes the Departments of Associate Degree Nursing; Bachelor's Degree Nursing; Dental Hygiene; Health Science, Health and Physical Education; Respiratory Therapy; and the degree program in Health Information Management, Medical Technology and Radiologic Technologies.

The following degree programs are offered within the School:

Associate in Science in:

Dental Hygiene
Nursing
Radiologic Technologies
Respiratory Therapy

Bachelor of Health Science

Bachelor of Science in:

Dental Hygiene Education
Medical Technology
Nursing

Bachelor of Science in Education in Health and Physical Education

Additional degree programs, those at the masters level, are delineated in the graduate section of this catalog.

Associate Degree Nursing

Faculty

Vacant, Department Head
Bell, Dorothy
Caldwell, Eva
Connor, Sara
Dutko, Kathleen
Miller, Mary
Pruden, Ginger
Reilly, Nancy
Williamson, Jane

The Associate Degree Nursing Program provides the student with the opportunity to obtain a general education and to study nursing at the college level. The program is approved by the Georgia Board of Nursing and the National League for Nursing (NLN). Graduates are eligible to take the National Council of State Boards of Nursing Licensure Examination (NCLEX-RN) for licensure to practice as Registered Nurses. Student nurses participate in nursing clinical experiences at local hospitals and other community agencies and are responsible for providing their own transportation.

Progression Requirements

For progression through the Associate Degree Nursing Program, the following must be maintained:

1. Natural science courses (CHE 201; ZOO 208, ZOO 209, BIO 210)
 - a. A grade of C or above is required for ZOO 208 and 209.
 - b. A grade of D or above is required for CHE 201 and BIO 210. Only one D will be allowed.
2. Nursing courses:
 - a. A grade of C or above is required in each nursing course.
 - b. A student may repeat a given nursing course only one time.
 - c. A student may repeat two different nursing courses.
 - d. A student who must repeat a course will be subject to availability of space in the subsequent course.
 - e. Students who must repeat any one nursing course more than one time will be dismissed from the program.
 - f. Students who must repeat more than two nursing courses will be dismissed from the program.
3. Grade Point Average:

The maintenance of a 2.0 adjusted GPA is desirable throughout the nursing program. Students who fall below 2.0 are subject to academic status classification delineated in the Academic Regulations section of this catalog. Students placed on academic warning who do not raise their GPA's to the stipulated GPA by the subsequent quarter will be suspended from the program until the requirements are met. Courses used to raise the GPA must have Department head approval.

4. Regents' Exam

All students must have passed the Regents' Exam before entering their last nursing course.

Insurance

To meet contractual obligations with the cooperating clinical agencies, the Department requires students to submit a completed health history form and evidence of nursing liability and hospitalization insurance prior to participation in clinical practicums.

Advanced Placement

The first two nursing courses, Nursing 110 and 111, may be exempted by one examination with credit awarded. Medical corpsman and li-

censed practical nurses who have graduated and/or practiced in a clinical setting within the past two years are eligible to sit for this examination. Proof of the above is required. The examination may be taken only once. Students who successfully challenge Nursing 110 and 111 will be required to complete Nursing 113. Successful completion of the examination does not guarantee admission into the program.

PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN NURSING

	Hours
A. General Requirements	53
Area I.....	10
1. ENG 101, 102	10
Area II.....	25
1. ZOO 208, 209	10
2. BIO 210, CHE 201	10
3. MAT 101	5
Area III.....	15
1. HIS 251 or 252.....	5
2. POS 113.....	5
3. PSY 101.....	5
Area IV.....	3
1. PE 117 or 166 and one activity course or three activity courses.....	3
B. Courses in the Major Field.....	55
1. NUR 110, 111, 112, 113, (for ad- vanced placement students only) 210, 211, 212, 213.....	55
C. Regents' and National Standardized Nursing Examinations	0
TOTAL	108

Curriculum Design

Prerequisites

ZOO 208	5
CHE 201	5
MAT 101	5
	15

1st Quarter

NUR 110	6
ZOO 209	5
ENG 101	5
	16

2nd Quarter

NUR 111	7
BIO 210	5
ENG 102	5
	<u>17</u>

3rd Quarter

NUR 112	8
PSY 101	5
PE 117 or 166	2
*NUR 113	<u>(2)</u>
	15(17)

4th Quarter

NUR 210	8
HIS 251 or 252	5
PE ACTIVITY	<u>1</u>
	14

5th or 6th Quarter

NUR 211	11
POS 113	<u>5</u>
	16

5th or 6th Quarter

NUR 212	9
NUR 213	<u>6</u>
	15

*For Advanced Placement Students Only

OFFERINGS**NUR 110—Nursing to Meet Basic Needs I (3-9-6)**

Fall, Winter, Spring. Prerequisites: Admission to the nursing program, ZOO 208, CHE 201, MAT 101, eligibility for ENG 101. Corequisite: ZOO 209.

This course introduces the conceptual framework of the nursing program with emphasis on basic human needs, growth and development, biopsychosocial man, teaching/learning and roles of the nurse. The nursing process is used to promote adaptation with problems related to hygiene, activity/exercise, safety, elimination, oxygenation, nutrition and sexuality. Principles of pharmacology and administration of non-parenteral medications are presented.

NUR 111—Nursing to Meet Basic Needs II (3-12-7)

Fall, Winter Spring. Prerequisites: NUR 110, ZOO 209. Corequisite: BIO 210.

A continuation of NUR 110. This course introduces fluid/electrolytes, rest/comfort, emotion safety, love/belonging and self-esteem. The nursing process is used for patients undergoing surgery with emphasis upon nursing skills, patient teaching and interpersonal relationships.

NUR 112—Concepts of Adult Nursing I (5-9-8)

Fall, Winter, Spring. Prerequisites: NUR 111, BIO 210. Corequisite: PSY 101.

Basic human needs are evolved into the concepts of oxygenation and metabolism in the care of the ill adult. These concepts focus on common health problems in which there is a maladaptive response of the body's ability to meet its oxygen, nutritional, fluid or elimination needs. Physical assessment skills are included.

NUR 113—Transition to Associate Degree Nursing (2-0-2)

Offered on Demand. Prerequisites: Successful Exemption of NUR 110 and 111, BIO 210. Corequisites: Nur 112, PSY 101

This course is designed for the advanced placement student. Content includes review of dosage calculation and introduction to the conceptual framework with emphasis on nursing process, roles of the AD nurse, growth and development, communication and teaching/learning.

NUR 210—Concepts of Adult Nursing II (5-9-8)

Fall, Winter, Spring. Prerequisite: NUR 112

The second quarter of study of the physically ill adult. Basic human needs are evolved into the concepts of inflammation/immunity and perception/coordination. These concepts focus on common health problems in which there is maladaptive response of the body's ability to protect itself from physiological harm or meet activity and sensory needs. Rehabilitative aspects of care expand the provider and teacher roles.

NUR 211—Concepts of Advanced Nursing (5-18-11)

Fall, Spring, Summer. Prerequisite: NUR 210

The third quarter of study of the physically ill adult. The concepts of oxygenation, metabolism, inflammation/immunity and perception/coordination provide the basis for study of the critical care aspects of nursing. The student develops beginning skills as coordinator of care for patients with multiple needs. Transition from the role of student to practitioner, leadership skills and trends/issues are emphasized.

NUR 212—Nursing in the Maternal-Child Continuum (6-9-9)

Fall, Winter, Spring. Prerequisite: NUR 210. Prerequisite: NUR 213.

This course concentrates on the experience of the childbearing family/developing child as they impact upon the health care system. Emphasized is the use of the nursing process to promote adaptation during the stages of childbearing and into the life cycle from birth through adolescence. The teaching/learning interaction and developmental appropriateness of care are additional foci.

NUR 213—Mental Health-Psychiatric Nursing (3-9-6)

Fall, Winter, Spring. Prerequisite: NUR 210. Prerequisite: NUR 213.

This course focuses on the development of self-awareness and on the therapeutic use of self in assisting man to achieve mental health. The nursing process is used for the patient with problems of psychosocial adaptation. Examined are therapeutic communication skills, teaching/learning, developmental level and the roles of the psychiatric nurse.

Baccalaureate Degree in Nursing**Faculty**

Clark, Marilyn, Department Head
 Clark, Eunice
 Conway, Marian
 Clark, Marcella
 Clark, Carola
 Clark, Nettie
 Clark, Carole
 Clark, James
 Clark, Rosalyn
 Clark, Elaine
 Graduate Faculty

The Armstrong State College Department of Baccalaureate Nursing offers entering freshmen, transfer students, and Registered Nurses the opportunity to earn a Bachelor of Science in Nursing Degree. The American Nurses Association (ANA) and the National League for Nursing (NLN) have adopted a position statement endorsing the baccalaureate degree in nursing as the academic preparation for professional nursing practice. Graduates are prepared to

provide comprehensive nursing care for people in a variety of settings. The BSN degree also provides the foundation for graduate education in nursing.

The program is approved by the Georgia Board of Nursing and is fully accredited by the National League for Nursing (NLN). Graduates who are not already RNs are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) for licensure as a Registered Nurse (RN).

Progression Requirements

For the generic Bachelor of Science program:

1. A "C" or better must be earned in each science course.
2. A "C" or better must be earned in each nursing course. No more than one nursing course may be repeated and a "C" or better must be earned at the time to remain in the program.
3. Any nursing course which the student does not satisfactorily complete must be repeated at its next offering. The course may be taken concurrently with a non-sequential course.
4. An overall grade-point average (GPA) of 2.0 is required to remain in the nursing program.
5. Students must submit a completed health history prior to the first clinical experience and maintain a current health history record throughout the program.
6. Students must submit proof of liability and health insurance prior to the first clinical experience. This insurance must be maintained while in the program.
7. Students must obtain CPR certification prior to the first clinical experience. It must be maintained throughout the program.
8. The Registered Nurse may challenge BSN 310, 334, 335, 336, 350, 422, 423 through written examinations. No more than one-fourth of the degree requirements may be taken by correspondence, extension, or examination. All required science courses must be completed before enrollment in BSN 433 and/or BSN 436. (For further information see BSN Department)
9. All students must have passed the Regents Exam before entering their last quarter

10. If a student does not matriculate each quarter, excluding Summer Quarter, the student must apply for readmission to the College and to the Department. (see Readmission page 28)

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

	Hours
A. General Requirements	101
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course selected from: ART 200, 271, 272, 273; MUS 200; PHI 201; ENG 222	5
Area II	20
1. CHE 121, 122*	10
2. MAT 101, 220	10
Area III	25
1. HIS 114 or 191, 115 or 192	10
2. POS 113 and HIS 251 or 252	10
3. PSY 101	5
Area IV	30
1. BIO 210; PSY 295; SOC 201; ZOO 208, 209, 215	30
Area V	6
1. PE 117 or 166 and 103 or 108	3
2. Three activity courses	3
B. Courses in the Major Field	82
1. BSN 231, 310, 320, 334, 335, 336, 340, 350, 422, 423, 432, 433, 436	77
C. Courses in Allied Fields	11
1. LS 311	1
2. Electives	10
D. Regents' and Exit Examination	0
Total	194

*Students who have already completed CHE 201 with a "C" or better may challenge CHE 121 and take CHE 122 or complete an approved lab science sequence of Core Area II. Students who have already completed an approved Area II lab science sequence may take CHE 201 to meet the prerequisite for ZOO 209.

Curriculum Design

—Freshman Year—

Fall

ENG 101
CHE 121*
MAT 101
PE
PE

Winter

ENG 102 or 192
CHE 122
HIS 114 or 191
PE 103 or 108*
PE 103 or 108*

Spring

ENG 201 or 292
HIS 115 or 192
ZOO 208
PE 117 or 166
PE 117 or 166

—Sophomore Year—

Fall

PSY 101
ZOO 209
Area I Elective
PE
PE

Winter

BIO 210
MAT 220
SOC 201
LS 311
LS 311

Spring

PSY 295
BSN 231
ZOO 215
PE
PE

—Junior Year—

Fall

SN 310.....	7
SN 320.....	5
Pol. Sci./Am. His.....	5

17

Winter

SN 334.....	6
SN 340.....	5
lective, or.....	5
SN 335.....	6

16 or 17

Spring

SN 336.....	3
SN 350 or BSN 423.....	6
SN 335, or.....	6
lective.....	5

14 or 15

—Senior Year—

Fall

SN 350 or BSN 423.....	6
SN 422.....	6
SN 432 or Elective.....	5

17

Winter

SN 433 or BSN 436.....	10 or 12
lective or BSN 432.....	5

15 or 17

Spring

SN 433 or BSN 436.....	10 or 12
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10 or 12

By State law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Government and Georgia History and Government. Students at Armstrong State College may demonstrate such proficiency by successfully completing examinations for which credit will be awarded for Political Science 113 and History 251 or 252. If

students elect to take courses instead of challenging them, students will be responsible for arranging their schedules to complete both of the courses before graduation.

OFFERINGS

BSN 231—A Conceptual Framework for Professional Nursing (5-0-5)

On demand. Prerequisite: LS 311, PSY 101, SOC 201.

This course is designed for beginning students of professional nursing. The conceptual framework of the baccalaureate curriculum is examined. Major emphasis is placed on an introduction to the concepts of Man, Health, and Nursing.

BSN 310—Concepts of Nursing Practice (4-9-7)

Prerequisites: BSN 231, PSY 295, all required science courses.

This introductory course provides the foundational knowledge for clinical nursing. Emphasis is placed on concepts for professional nursing practice that will assist individuals to meet health needs. The student assumes the role of professional nurse by implementing various cognitive, psychomotor, and interpersonal skills to promote positive adaptation.

BSN 320—Health Appraisal of the Individual (4-3-5)

Prerequisites: ZOO 215, BSN 231 or permission of department head.

This is a beginning course in physical assessment which provides knowledge and experience for the nursing student and interested health professional, with a focus on appraisal of the individual throughout the lifecycle. Emphasis is placed upon understanding of physical assessment skills appropriate for nursing. Course didactic and laboratory components focus on normal findings of the physical appraisal and common deviations from normal are addressed as necessary.

BSN 334—Health Restoration of Adults I (4-6-6)

Prerequisite: BSN 310, 320.

This course provides students with the opportunity to assist adult individuals cope with alterations in the ability to meet human needs related to the concepts of oxygenation, fluid and electrolytes, perception and coordination, and metabolism. Clinical experiences are provided in secondary health care settings.

BSN 335—Promotion of Psychosocial Adaptation (4-6-6)

Prerequisites: BSN 310, 320.

This course is designed to assist students to promote positive adaptive behavior of individuals and families with psychosocial problems through the use of the nursing process. Trends in mental health, legal issues and the role of the nurse in the psychiatric setting are examined. Clinical experiences are provided in secondary health care settings and community mental health facilities.

BSN 336—Leadership in Nursing Care Management (3-0-3)

Prerequisite: BSN 310.

Management and leadership principles are introduced and applied to nursing. The focus of this course is on the leadership role of the professional nurse in the management of health care.

BSN 340—Nursing and Family Health (5-0-5)

Prerequisite: BSN 310 or permission of department head.

This course is designed to explore the family as a biopsychosocial unit of a multi-cultural society. Internal and external variables affecting the health and adaptation of the family system are considered. The nursing process is utilized as a framework to assess structural and functional needs, plan nursing interventions, and develop outcome criteria.

BSN 350—Nursing and the Childbearing Family (4-6-6)

Prerequisites: BSN 334, 340.

Using the developmental approach, this course focuses on health promotion and restoration of the childbearing family. The nursing process is utilized to assess health needs and promote positive adaptation. Clinical learning experiences are provided in a variety of settings.

BSN 360—Issues in Gerontological Nursing (3-0-3)

Prerequisites: PSY 101, SOC 201, BSN 310, or permission of department.

Application of the nursing process to the older adult population is the focus of this course. The emphasis is on promotion of health among the population in order to foster successful aging through positive adaptation. The student will explore nursing strategies which promote the health of older adults.

BSN 422—Health Restoration of Adults II (4-6-6)

Prerequisites: BSN 334, 335, 336, 340.

This course provides students with the opportunity to assume a beginning leadership role in the management of nursing care of adult individuals and their families who are experiencing maladaptive responses related to complex alterations in the ability to meet basic human needs. Clinical experiences are provided in secondary health care settings.

BSN 423—Health Restoration of the Child (4-6-6)

Prerequisites: BSN 340, 334.

The student uses the nursing process as a problem solving approach in the care of children from infancy to adolescence experiencing alterations in their ability to meet human needs. Clinical experiences are provided in secondary care and community settings.

BSN 432—Nursing Research (5-0-5)

Prerequisites: Three clinical Nursing courses and MAT 220.

This course focuses on the research process from problem identification to communication of results. The evolution of nursing research is examined and the role that clinical nursing research plays in the improvement of the quality of care is emphasized.

BSN 433—Nursing and Community Health (5-15-10)

Prerequisites: BSN 320, 340, 350, 422, 423.

This course is designed to provide student with the knowledge and opportunity to utilize the nursing process to assist clients to attain the maximum level of wellness through the promotion and maintenance of health and the prevention of disease. The student functions as a beginning member of the interdisciplinary health care team to plan and provide comprehensive nursing care in selected community settings.

BSN 436—Professional Nursing Practicum (4-24-12)

Prerequisites: BSN 320, 340, 350, 422, 423.

This course provides the opportunity for students to synthesize knowledge from the liberal arts, sciences, and nursing as a basis for professional nursing practice. Students practice the leadership role of the professional nurse in assessing, planning, implementing and evaluating nursing care in a selected clinical setting. Seminar sessions are provided for students to share

periences and to discuss trends and issues which influence change in professional nursing practice.

SN 450—Health Restoration of Individuals and Families Experiencing Critical Illness (2-3-3)

Prerequisite: BSN 422 or permission of department head.

This course provides the opportunity for students to synthesize knowledge from the liberal arts, sciences, and nursing to assist in the promotion of positive adaptation of individuals and families experiencing multisystem failure. Critical thinking and problem solving opportunities from a nursing perspective are provided in selected critical care settings.

SN 460—Independent Study (V-V-[1-3])

Offered on demand.

Prerequisite: Senior status or permission of SN department.

The student, in consultation with the professor, will select the topic for supervised independent study. The student will submit an independent study proposal prior to the quarter in which the course is to be taken.

S.N. Program and Courses

Coordinator: Dr. Marilyn M. Buck

The Master of Science in Nursing program reflects the College's philosophy of learning in that it builds upon a core curriculum in the humanities, natural and social sciences. Cognitive, affective, and psychomotor domains are refined within the nursing courses to foster the development of a professional who can participate in advanced nursing practice with individuals, families, groups and the community through the development of a chosen functional role in either clinical specialty or nursing administration.

The Master of Science Degree in Nursing may be pursued in two areas of concentration: Clinical Specialty, and Nursing Administration.

Administration Criteria

Graduation from an NLN accredited baccalaureate nursing program, or one approved by MSN faculty.

Minimum Grade Point Average:

- A. Regular Admission Status: G.P.A. of 2.5 and G.R.E. score of 850.

- B. Probationary Admission Status: G.P.A. $\times 100 + \text{G.R.E.} = 1050$ or more, **but** minimum G.P.A. must be 2.0 and minimum G.R.E. must be 800.

1. Students in probationary admission status may take three courses while in that status, and must achieve a grade of B or better in each course.
2. Students who achieve a grade of B or better in each course are eligible for regular admission status (pending approval by Admissions Committee).
3. Students who achieve a grade of C or less in any of the three courses must repeat that course until a grade of B or better is achieved.
4. Students must achieve regular admission status upon completing 15 hours of course work, or will be terminated from the program.
3. Prerequisite courses or approved equivalents:
 - A. Elementary Statistics (Math 220)
 - B. Health Appraisal of the Individual for clinical specialty major.
4. Basic knowledge of computer operations.
5. Current Georgia license to practice as a registered nurse.
6. One year professional nursing practice.

Progression Requirements

1. An overall grade point average (G.P.A.) of 3.0 is required to graduate.
2. Students must complete the requirements for the degree in 5 calendar years after either probationary or regular admission to the MSN program.
3. Students must submit a completed health history prior to the first clinical experience and maintain a current health record throughout the program.
4. Students must submit proof of liability and health insurance prior to the first clinical experience. These insurances must be maintained while in the program.
5. Students must obtain CPR certification prior to the first clinical experience. This certification must be maintained throughout the program.

Advisement

On admission to graduate studies, students should take immediate steps to contact the

Graduate Coordinator in the School of Health Professions. At this time, the student's status with respect to prerequisite coursework and transfer credits will be clarified. Also, an advisor will be assigned so that actual planning of the program of study can begin.

Transfer of Credits

Students may transfer no more than 30 hours into the MSN program. All nursing major courses must be completed in residence.

Students wishing to transfer credit for nursing core courses must have course work evaluated by nursing faculty.

Comprehensive Examinations

Satisfactory performance on the comprehensive examination is required of all candidates. As coursework nears completion, the student should be in contact with the appropriate advisor to schedule the examination.

Thesis Requirement

Each student must complete a thesis. The preparation of the thesis is an integral part of the research courses and practicum taken in the final stages of the program.

PROGRAM FOR THE MASTER OF SCIENCE DEGREE IN NURSING WITH A CLINICAL SPECIALTY

	HOURS
COURSES RELATED TO THE MAJOR.....	15
	HOURS
* MSN 715.....	5
Elective	5
ZOO 715.....	5
Total	15

* Elective may be chosen in the areas of business administration, education, health science or nursing depending on area of desired concentration.

Nursing Core Courses	18
MSN 520.....	3
MSN 530.....	5
MSN 600.....	5
MSN 610.....	5
Total	18

Nursing Major Courses.....	2
THESE COURSES MUST BE TAKEN IN RESIDENCE	
MSN 710.....	3
MSN 725.....	5
MSN 735.....	5
MSN 745.....	6
MSN 755.....	5
MSN 760.....	3
Total	27

PROGRAM FOR THE DEGREE MASTER OF SCIENCE IN NURSING ADMINISTRATION

	HOURS
Courses related to the major.....	1
	HOURS
BAD 501	5
MSN 700.....	5
BAD 540	5
Total	15
Nursing Core Courses	18
MSN 520.....	3
MSN 530.....	5
MSN 600.....	5
MSN 610.....	5
Total	18

Nursing Major.....	2
THESE COURSES MUST BE TAKEN IN RESIDENCE	
MSN 710.....	3
MSN 720.....	5
MSN 730.....	5
MSN 740.....	6
MSN 750.....	5
MSN 760.....	3
TOTAL	27

OFFERINGS

MSN 520—Theoretical Basis of Nursing Practice (3-0-3)

Prerequisite: None

This course provides the student with an understanding of the conceptual framework of advanced nursing practice. The nature of nursing theory development is discussed in terms of nursing as a discipline and a science. Relevant

theories germane to nursing science are discussed and current literature evaluated. Nursing theories/theorists are explored, analyzed, and applied in a practice setting.

MSN 530—Contemporary Health Problems (4-2-5)

Prerequisite: MSN 520

This course is designed to analyze contemporary health problems which affect the adaptation of individuals and families. Emphasis is placed on use of the nursing process, theory and research to develop strategies for the promotion and maintenance of health with individuals, families, and aggregates. Current and future implications of advanced nursing practice roles are also investigated.

MSN 600—Contemporary Issues in Health Care Delivery (4-2-5)

Prerequisites: MSN 530

This course is designed to analyze current issues and trends which affect the quality, availability and accessibility of the nursing care delivery system. Emphasis is placed upon the investigation and testing of organizational and nursing theory and research to validate their applicability towards resolving current issues which have an impact on nursing and health care.

MSN 610—Nursing Research (5-0-5)

Prerequisite: MSN 520

This course explores the scientific basis for nursing practice. The student is introduced to science as a way of knowing and the research process as a tool of science. Building on MSN 520, emphasis is placed on nursing research utilizing current nursing conceptual models; qualitative versus quantitative research in the nursing discipline, and protection of human rights and ethical issues associated with nursing research. The steps of conducting scientific investigations are explored.

MSN 660: Selected Topics in Professional Nursing (V-V-1-5)

Prerequisites: Approval of graduate nursing faculty.

The student, in consultation with graduate nursing faculty, will select a topic for supervised study in the area of nursing specialty. The student will submit a proposal for the study by mid-term preceding the quarter in which the study will begin.

MSN 700—Administrative/Organization Theories (5-0-5)

Prerequisite: MSN 600

This course examines organizational and administrative theories related to the health care delivery system. Organizational concepts and behaviors will be analyzed as they interface with the mission of nursing administration. Administrative and organizational goals will be evaluated within the framework of clinical nursing goals.

MSN 710—Nursing Research Seminar (3-0-3)

Prerequisites: MSN 610, 730, 735

This seminar guides the student in the preparation of a nursing research proposal. Emphasis is placed on the development of the proposal to include problem identification, literature review, and methodology. Each seminar is coordinated by a faculty member, and students are assigned according to their research interest.

MSN 715: Nursing and Family Health (4-2-5)

Prerequisite: MSN 520

This course is designed to provide the student with a knowledge of family theories. Students will apply selected family theories in nursing practice with individuals, families, groups and communities throughout the wellness/illness continuum.

MSN 720: Information Systems in Health Care (4-2-5)

Prerequisites: MSN 700

This course examines the development and utilization of information systems in the administration of health care agencies and institutions. The course focuses on information acquisition, processing, analysis, and reporting pertinent to nurse managers. The learning format includes both didactic and experiential modes.

MSN 725—Clinical Nursing I (3-4-5)

Prerequisites: ZOO 715, MSN 600, 610, 715
Winter Quarter

This course is designed to provide students with the opportunity to utilize key concepts and theories relevant to the expert nursing management of clients with actual or potential health problems. Selected roles of the clinical nurse specialist are explored.

MSN 730—Financial Management of Health Care Systems (5-0-5)

Prerequisites: MSN 600, 610, 720; BAD 501, 540

This course provides an overview of the principles and process of financial management. Emphasis is placed on the assimilation of financial concepts and their application in health care agencies/institutions.

MSN 735—Clinical Nursing II (3-4-5)

Prerequisite: MSN 725

This course is designed to provide graduate students with the opportunity to increase organizational behaviors to function effectively in the care of the client. Particular attention is given to improving the delivery of health care to consumers through consultation, teaching research and clinical practice.

MSN 740—Administrative Role Development (3-6-6)

Prerequisite: MSN 730

This course focuses on the roles used by the nurse administrator in advanced nursing practice. Utilizing the scope of knowledge regarding nursing models, the student will analyze the interaction between nursing theories-conceptual models and nursing administration. Theories to be examined and applied include: role, change, leadership, organization, and administrative policy. Within the clinical setting, the student will analyze the role and function of the nurse administrator and the relationship of the nursing administration system to other systems of the institution, the profession, and society.

MSN 745—Clinical Specialist Role Development (3-6-6)

Prerequisite: MSN 735

This course provides students with the opportunity to implement the role of clinical specialist with individuals and families experiencing selected health problems. Students will conduct an in-depth study of epidemiology, prevention and control, research, health care and clinical practice role in the specialty area of their choice.

MSN 750—Nursing Administration Practicum (1-8-5)

Prerequisite: MSN 710, 740

This course is designed to assist the student in synthesizing the knowledge and experience obtained from previous courses in order to implement a chosen role in nursing administration. Students conduct research in their area of interest in nursing.

MSN 755—Clinical Specialty Practicum (1-8-5)

Prerequisite: MSN 710, 745

This course is designed to assist students to synthesize knowledge and experiences from previous courses to implement a chosen role in the clinical setting. Students conduct research in their area of interest in nursing.

MSN 760—Thesis (1-V-1-3)

Corequisites: MSN 750 or MSN 755

Students will complete preparation of a thesis in their area of interest in nursing. If the thesis is not completed in three quarter hours student must register for one quarter hour in any quarter in which faculty advisement is needed and in the quarter in which the student graduates.

Dental Hygiene**Faculty**

*Simon, Emma, Department Head
Coursey, Teresa
Edenfield, Suzanne
Fleming, Caroline
Tanenbaum, Barbara
*Graduate Faculty

The student must complete a curriculum of 121 quarter hours in professional dental hygiene courses for the two-year program leading to the Associate in Science Degree in Dental Hygiene. Dental hygienists provide dental health service in private dental offices, civil service positions, industry, and in various public health fields. The practice under the supervision of a dentist and must pass a national and a state board examination for licensure. The curriculum is fully approved by the Commission on Accreditation of Dental and Dental Auxiliary Educational Programs of the American Dental Association.

A passing grade in all related natural science courses is a prerequisite to the 200 level Dental Hygiene courses; therefore, CHE 201, ZOO 208, 209, and BIO 210 must be satisfactorily completed before the student will be admitted into second-year status in the Dental Hygiene Program.

The student must earn a "C" or better in each Dental Hygiene course before registering for subsequent dental hygiene courses; therefore a grade of "C" or better in the previous course(s) is a prerequisite for each dental hygiene course.

for which the student registers after the first quarter of the first year. An overall GPA of 2.0 is required for graduation from the program.

Certified dental assistants and military-trained dental hygienists may challenge DH 120 and DH 124. (For further information, contact the Dental Hygiene Department.)

The Bachelor of Science in Dental Hygiene Education program is comprised of preparatory courses that will enable the student to be employed in areas such as dental hygiene and dental assisting instruction, dental health education in public school systems, and public health. The student will work directly with the dental hygiene faculty and participate in the student teaching practicums in various associate degree classes, clinics, laboratories, and extra-mural clinics.

PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN DENTAL HYGIENE

	Hours
A. General Requirements	48
Area I	15
1. ENG 101, 102, or 192	10
2. DRS 228	5
Area II	5
1. MAT 101	5
Area III	20
1. PSY 101	5
2. SOC 201	5
3. HIS 251 or 252	5
4. POS 113	5
Area IV	5
1. CHE 201	5
Area V	3
1. PE 117 or 166	2
2. One activity course	1
B. Courses in the Major Field	58
1. DH 111, 112, 113, 118, 120, 123, 124, 211, 212, 213, 214, 216, 219, 220, 221, 223, 224, 227	58
C. Courses in Related Fields	15
1. BIO 210	5
2. ZOO 208, 209	10
D. Regents' and Exit Examinations	0
TOTAL	121

PROGRAM FOR THE DEGREE BACHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION

	Hours
A. General Requirements	91
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. PHI 200 or 201	5
Area II	10
1. MAT 101, 220	10
Area III	25
1. SOC 201	5
2. HIS 251 or 252 and 114 or 191, 115 or 192	15
3. POS 113	5
Area IV	30
1. BIO 101, 102	10
2. CHE 121, 122	10
3. DRS 228	5
4. PSy 101	5
Area V	6
1. PE 103 or 108 and 117 or 166	3
2. Three activity courses	3
B. Courses in the Major Field	78
1. DH 111, 112, 113, 118, 120, 123, 124, 211, 212, 213, 214, 216, 219, 220, 221, 223, 224, 225, 226, 227	58
2. DH 401, 402, 403, 404	20
C. Courses in Related Fields	35
1. BIO 210	5
2. PSY 301, or EDU 302, PSY 295	10
3. EDN 200, EDU 335	10
4. ZOO 208, 209	10
D. Regents' and Exit Examinations	0
TOTAL	204

OFFERINGS

DH 111—Clinical Dental Hygiene I (2-6-4)

Fall.

This course is designed to introduce the student to the dental hygiene profession. The subject matter includes fundamental knowledge of clinical procedures and techniques of removing deposits from the teeth. Clinical procedures are introduced on the the manikins and the student is required to practice these techniques until proficiency is achieved.

DH 112-113—Clinical Dental Hygiene II and III (2-6-4) (1-9-4)

Winter and Spring respectively. Prerequisite: DH 111.

Students perform oral prophylactic techniques on patients in the clinic under supervision. The subject matter includes procedures which the hygienist will use in the performance of clinical duties. The student must apply acquired knowledge in all clinical situations.

DH 118—Periodontics (2-0-2)

Spring.

This course is designed to give the student a basic understanding of periodontics. Emphasis is placed on periodontal health and disease in relation to the health of the total patient. Periodontal knowledge is applied in clinical situations.

DH 120—Dental Roentgenology (2-3-3)

Winter.

This course will include a series of lectures, demonstrations, and directed experience in the fundamentals of dental roentgenology. Intraoral techniques for the taking and processing of radiographs are taught and laboratory time will be devoted to demonstration and directed experience. Clinical time in subsequent quarters will afford the application of the principles of clinical situations.

DH 123—Dental Anatomy and Oral Histology (3-2-3)

Fall.

This course is designed to familiarize the dental hygiene student with the nomenclature, morphology, eruption sequence of the primary and secondary dentition and oral histology and embryology of the oral cavity.

DH 124—Dental Materials (2-3-3)

Spring.

This course is designed to provide a general understanding of the chemical, physical and mechanical properties of dental materials. The indications and limitations of materials will be stressed as well as proper manipulation of those materials used by dental hygienists.

DH 211-212-213—Clinical Dental Hygiene IV, V, VI (1-12-5) (1-15-6) (1-15-6)

Fall, Winter and Spring respectively. Prerequisites: DH 111, 112, 113.

These courses are a continuation of the preceding clinical courses. Emphasis centers on improved proficiency in all areas of a working clinic. Lecture time is devoted mainly to the dis-

cussion of experiences encountered in clinical situations. Pertinent material related to the dental hygiene profession is included in these courses.

DH 214—Anesthesiology and Pharmacology (2-0-2)

Winter.

This course is a study of drugs and anesthetics with special consideration given to those used in dentistry. It is designed to acquaint the student with the principles of drug action in the human patient.

DH 216—Dental Public Health (3-0-3)

Winter.

This course introduces the student to the various aspects of public health with reference to the dental needs of the community. Special emphasis is given to terminology, epidemiology and interpretation of data related to community dental health programs. Directed field experience is a course requirement.

DH 219—Total Patient Care (0-3-1)

Fall.

This laboratory experience acquaints the student with the subject and practice of the various dental specialties in relation to the patient's total health. This course is also designed to acquaint the student with the expanding dental services provided by dental auxiliary personnel.

DH 220—Directed Field Experience (0-4-1)

Winter.

The student is provided with a holistic approach to dentistry by externing with private dental practitioners and public and military agencies.

DH 221—Scopes of Dental Hygiene Practice (1-0-1)

Spring.

This course is designed to acquaint students with various scopes of dental hygiene practice, the jurisprudence governing the practice of dental hygiene, and the structure and function of professional associations.

DH 223—Applied Nutrition (2-0-2)

Fall.

This course presents the aspects of nutrition as applied to the practice of dentistry. Students are instructed in diet history and dietetic counseling.

DH 224—Head and Neck Anatomy (2-0-2)

Fall.

This course is designed to familiarize the dental hygiene student with gross anatomical relationships in the head and neck. Special emphasis is given to the anatomy of the oral cavity and its clinical application.

DH 225—Preventive Dental Health Education I (2-0-2)

Fall.

The principles of prevention of oral diseases are presented. Many facets of prevention are included with emphasis on the utilization of oral physiotherapy aids and on education and motivation of patients in proper oral hygiene. Knowledge from this course and preceding clinical courses will be utilized in a paper to be presented to the class and clinical faculty. Clinical time in subsequent quarters will afford the application of these principles to clinical situations.

DH 226—Preventive Dental Health Education II (1-0-1)

Winter.

This course is a continuation of the preventive dentistry concepts. The student is familiarized with the practical application of modern methods of dental health education. Course content includes developing teaching materials for dental health education, demonstrations, and presentation of materials. Directed field experience will be provided to allow the student practical application of techniques learned in the classroom.

DH 227—General and Oral Pathology (3-0-3)

Fall.

This course is designed to familiarize dental hygiene students with the principles of general pathology in relation to the common diseases of oral regions. Emphasis is placed on clinical manifestations and the importance of early recognition of abnormal conditions.

DH 401—Practicum in Dental Hygiene Education I (3-6-5)

Fall. Prerequisite: Admission into the Dental Hygiene Education Program.

This course is an introductory field experience in the college dental hygiene clinic, community agencies, and patient care facilities with emphasis on observation, individual and small group teaching, and teacher aide work. The first professional course for majors in Dental Hygiene Education.

DH 402—Practicum in Dental Hygiene Education II (3-6-5)

Winter. Prerequisite: DH 401.

This course is a continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, establishment and organization of content, methods of evaluation and supervision in the dental hygiene clinic are included.

DH 403—Practicum in Dental Hygiene Education III (3-6-5)

Spring. Prerequisite: DH 402.

This course is an advanced field experience designed to assist the student in the development of learning activities, teaching procedures, and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence at community agencies, and patient care facilities.

DH 404—Directed and Individual Study (3-6-5)

Spring. Corequisite: DH 403, Prerequisite: DH 403.

This course is a directed individual study in an area of major interest with emphasis relevant to dental hygiene and future career objectives. Scientific research and evaluation methods will be reviewed and used in the student's individual project.

Health Science, Physical Education and Recreation

Faculty

- *Sims, Roy, Department Head and Coordinator, M.Ed., P.E.
- *Simon, Emma, Coordinator, Health Science
- Aenchbacher, Edward
- Ford, Betty
- Knorr, Virginia
- Lariscy, Michael
- *Repella, James
- Streater, James
- Tapp, Lawrence
- *Graduate Faculty

Health Science

The overall goal of the Health Science program is to make available an educational opportunity for persons interested in entering a health field and an academic program for experienced health professionals who wish to further their career opportunities. More specifically, the objectives of the program are:

1. To teach individuals that behavioral change can occur through education;
2. To foster health, health promotion, and disease prevention;
3. To prepare competent, knowledgeable health educators; and,
4. To provide health practitioners the opportunity to gain expertise in the health related areas of education, management, correctional science, public policy, computer science, or health and fitness management.

The emphasis of the curriculum is to view "health" as different from "illness" and to teach new students and practicing health professionals of this difference. The curriculum will permit the student to earn a baccalaureate degree that reflects expertise in health science while focusing on an applied health related area. Upon graduation, these health professionals will implement the concepts they have learned and direct the efforts of the American public in the promotion, enhancement, and maintenance of health and in the prevention of health problems.

PROGRAM FOR THE DEGREE OF BACHELOR OF HEALTH SCIENCE

	Hours
A. General Requirements	96
Area I	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course selected from : ART 200, 271, 272, 273; MUS 200; ENG 222; PHI 200	5
Area II	20
1. CHE 121, 122.....	10
2. MAT 101 and 103 or 220.....	10
Area III	20
1. HIS 114 or 191, 115 or 192.....	10
2. POS 113	5
3. One course selected from: ANT 201, ECO 201, SOC 201 ..	5

Area IV	30
1. HS 100	5
2. HIS 251 or 252; DRS 228	10
3. PSY 101.....	5
4. ZOO 208, 209	10
Area V.....	6
1. PE 117 and 103 or 108.....	3
2. Three activity courses.....	3
B. Electives	10
C. Courses in the Major Field	55
1. BIO 310	5
2. HS 150, 200, 201, 220, 230.....	25
3. HS 300, 350, 400, 450, 451.....	25
D. Courses in the Emphasis Area	32
Area I—Health Education.....	30-32
1. EDU 335, PSY 301 or EDN 302	10
2. HE 300, 370, 410, 420.....	20
Area II—Computer Science	30
1. MAT 103 or 220	5
2. CS 231, 306, 331, 332, 431.....	25
Area III—Correctional Science	30
1. CJ 100, 102, 210, 303, 409	25
2. CJ elective	5
Area IV— Education.....	30
1. EDN 460	5
2. EDU 335, 340, 451, 455	20
3. PSY 301	5
Area V—Management.....	30
1. BAD 211, 360.....	10
2. PSY 320.....	5
3. Any one of the following three:	
a. Decision-Making	
1. BAD 212.....	5
2. BAD 320, 330 or BAD 425 and ECO 305	10
b. Human Relations	
Any of the following three courses: BAD 375, 462, PSY 321, 322	1
c. Public Policy	
1. POS 305 and 306 or 307	1
2. POS 401 or 403.....	
Area VI—Health & Fitness Management	3
1. HE 370, 420	1
2. PSY 315, 406	1
3. PE 230*, 330*, 421**	1
*Prerequisite: ZOO 208, 209	
**Prerequisite: Permission of Instructor	
E. Regents' and Exit Examinations	
TOTAL	191-19

Health Science Offerings

HS 100—Introduction to Health Science (5-0-5)

Exploration of the science of health. Based on the health (versus illness) model, this course will emphasize the enhancement of health as part of natural human development. The multifaceted health care delivery system will be introduced, and some ethical, philosophical, and socio-cultural issues of health care will be discussed.

HS 110—Medical Terminology (3-0-3)

A study of the language of medicine: word construction; definition; abbreviations and symbols; and use of terms related to all areas of medical science, hospital service, and the medical specialties. Open to non-majors.

HS 150—Health Care Delivery Systems (5-0-5)

Existing modalities for treatment, habilitation, and rehabilitation will be identified. Their integration into primary, secondary, and tertiary treatment complexes will be discussed. Cost of illness and health care delivery will be addressed.

HS 200—Health and Human Development I (5-0-5)

A presentation of human growth and development theory. Emphasis will be placed on the physical, cognitive and psychosocial development of man from pre-natal development to the Adolescent Stage of the human lifespan. This will be examined from the perspective of enhancing health and concomitantly avoiding illness.

HS 201 Health and Human Development II (5-0-5)

The continuation of the study of human development from young adulthood to the completion of the life cycle. Special emphasis is placed on health concerns and lifestyle consequences of the adult years of the life span.

HS 220—Nutrition (5-0-5)

Prerequisite: BIO and CHE sequences.

Nutrition, as a major component of lifestyle, is related to enhancement of health and contribution to illness. Basic concepts of nutrition and various "diets" are studied.

HS 230—Epidemiology (5-0-5)

The application of ecology to health and illness. An investigation into the various factors and conditions that determine the occurrence and distribution of health, disease, and death among groups of individuals.

HS 300—Health Problems in a Changing Society (5-0-5)

Prerequisites: HS 230; BIO 310; or permission of instructor.

A review of health status as a function of societal change. For example, the effects on health of sewage disposal, speed-limits, cold-war, technology, and such will be examined.

HS 350—Health in the Community (5-0-5)

Prerequisites: HS 230; HS 300.

The environment, communicable infections, health education, available treatment centers, and socio-political apparatus for change are integrated and viewed as dynamics of the community which may enhance health and prevent illness and injury.

HS 400—Seminar in Health Science (5-0-5)

Prerequisite: HS 350.

Health Science concepts are analyzed and synthesized. Emerging and emergent issues and trends are investigated.

HS 450-451—Health Science Practicum (1-8-5)

Prerequisite: HS 400.

A two-quarter sequence offering the Health Science degree candidate opportunity to be an active participant in the student's area of interest. The practicum will provide the basis for the required senior thesis.

Health Education Offerings

HE 260—Contemporary Health Issues (5-0-5)

Study of major health topics along with their effects on modern society. Such topics as environmental pollution, medical ethics, health care costs, personal health, and health consumerism will be investigated.

HE 261—Health and Sex Education (3-0-3)

A study of the relationship between health and sex education. Health promotion strategies dealing with sexual behavior, sexually transmitted diseases, pregnancy, pregnancy prevention, and parenthood are involved. Emphasis is on interventions and curriculum material available for teachers and health educators.

HE 262—Health and Drug Education (2-0-2)

A study of the effects of tobacco, alcohol, and drug use and abuse on health. It includes an analysis of the classification of drugs, the effects

of drug usage, the legality of drug usage, and drug dependency. Emphasis is on interventions and curriculum material available for teachers and health educators.

HE 300—Methods and Media in Health Education (5-0-5)

The basic principles of education, integrated with various teaching methods and media appropriate to a health care setting, will be explored. The methods and media will be designed for the biopsychosocial requirements of the client.

HE 360—School Health Education (3-0-3)

An investigation of the total school health environment and health instruction.

HE 370—Health Promotion Through Physical Activity (5-0-5)

Prerequisite: Permission of instructor.

A study of the effects of physical activity on health enhancement and maintenance. Physical assessment methods, equipment and prescription regimes will be included. A holistic approach to health will be the basic theme of this course.

HE 410—Health Education in the Community (5-0-5)

Prerequisites: HS 300 and HS 350.

A course designed to examine the process of assessing, planning, implementing and evaluating the health education needs of members of and groups within a community. The theories of group process, motivation and human development will be used extensively.

HE 420—Health Education in Rehabilitation (5-0-5)

Prerequisite: HE 410.

This course is designed to provide the student with the information necessary to aid patients in achieving their highest rehabilitation potential. The main objective is to aid the client in coping and complying with the prescribed regimen.

HE 460—Health in the Curriculum (5-0-5)

Prerequisites: HE 260, 261, 262, 360.

The study of health education curriculum with emphasis upon materials and methods of teaching health education K-12. This course places special focus on the development of health education curriculum, instructional units, writing objectives, lesson and unit planning, and the relationship of health education to the total education program.

Physical Education

During the freshman year, all students should take PE 117 (Basic Health) or 211 (Safety and First Aid) and 103 or 108 (Swimming). During the sophomore year, students may elect any three Physical Education activity courses with the last two numbers being between 01 and 09. Students unable to participate in the regular program should plan an alternate program with the Head of the Department of Health Science, Physical Education, and Recreation.

Students should check their program of study for PE 117 and/or 211 requirements

Bachelor of Science in Education with a Major in Health and Physical Education

The Bachelor of Science Degree in Education with a Major in Health and Physical Education provides the student with an opportunity to receive a degree leading to teacher certification K-12 in the areas of Health and Physical Education. The program is approved by the National Council for Accreditation of Teacher Education (NCATE) and the Georgia State Department of Education. Students selecting this major should seek advisement in the Department of Health Science, Physical Education and Recreation. Students pursuing this degree should refer to the Teacher Certification section of the catalog (page 163) to find those stipulations affecting all undergraduate education programs at Armstrong State College.

Progression Requirements:

1. Successful completion of basic core requirements
 - a. General Requirements
 - b. Regents Exam
2. Application for Admission to Major Program
 - a. Departmental Advisor Assigned
 - b. Program of Study Established
3. Application for Admission to Teacher Education (2.5 G.P.A. required)
 - a. Media Competency Completion
 - b. September practicum
 - c. Application for Student Teaching Assignment

4. Successful Completion of Departmental Requirements
 - a. PEM 451, 452, 453
 - b. All additional major courses
 - c. Proficiency tests
 - d. TCT
5. Application for Graduation

Minor Concentration

The minor in physical education requires 25 credit hours with grades of "C" or better. The student will select 25 hours from the following courses:

1. PE 210, 216, 217, 219, 311, 321, 413, 421, PEM 250, 251, 252, 351, 352.
2. No more than two courses from: PE 212, 213, 214 or 215.

See course offerings for the description of courses.

B. Courses in the Major Field	54
1. PE 103 or 108 or 311	1
2. PE 166	2
3. PE 251, 253, 254, 351, 352, 353, 354, 355	38
4. HE 260, 360 and H.S. 300	13
C. Professional Sequence	38
1. EXC 310; EDN 335, 491, 492, 493	25
2. PEM 451, 452, 453	3
3. HE 460; PSY 301; or EDN 302	10
D. Electives	5
E. Regents' and Exit Examinations	0
TOTAL	197

Physical Education Offerings

SPECIAL NOTE:

Swimming is required of all students as part of their 6 hours of physical education. Students with a valid Advanced Life Saving certificate or who have passed the Armstrong swimming test may be exempted from the swimming requirement. Students able to swim in deep water should register for P.E. 108. If in doubt as to proper course, consult one of the department's swimming instructors BEFORE REGISTERING.

PE 100—Beginning Weight Training (0-2-1)

Fall, Winter, Spring.

Emphasis on developing physical fitness through a variety of fundamental weight training exercises. Introduction of mechanical principles and techniques necessary for the understanding of weight training programs. Only one of PE 100 or PE 204 may count as an activity course toward the six hours of required physical education.

PE 101—Lifetime Fitness (0-3-1)

Fall, Winter, Spring.

Basic fitness concepts and their application to our everyday life. Students will select between two activity areas: jogging and flexibility/tone or lap swimming and aerobic dance.

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN HEALTH AND PHYSICAL EDUCATION

	Hours
A. General Requirements	103
Area I	20
1. ENG 101, 102 or 192, 201 or 292	15
2. One course from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 201	5
Area II	20
1. MAT 101 and 220	10
2. Approved laboratory science sequence	10
Area III	20
1. HIS 114 or 191, 115 or 192	10
2. POS 113	5
3. One course from: ANT 201, ECO 201, 202; SOC 201	5
Area IV	30
1. EDN 200, DRS 228, PSY 101	15
2. HE 261, HE 262	5
3. PEM 250, PEM 252	10
Area V	5
Five hours of activity courses	5
State Requirement	5
HIS 251 or 252	5

PE 102—Team Sports (0-2-1)

Fall, Winter, Spring.

Consists of two of the following sports: basketball, volleyball and softball.

PE 103—Basic Swimming Skills (0-3-1)

Fall, Winter, Spring, Summer. (PE 311 or 316 may be substituted for PE 103 or 108).

Skills and strokes for the student unfamiliar with or afraid of the water and who cannot swim. Satisfies Armstrong swimming requirement.

PE 104—Bowling (0-2-1)

Fall, Winter, Spring, Summer.

Basic skills in bowling. Minimum of two games required per class period at student's expense. Must provide own transportation.

PE 105—Badminton (0-2-1)

Fall, Winter, Spring, Summer.

Basic skills in badminton. Student must provide own racquet.

PE 106—Beginning Gymnastics (0-2-1)

Winter.

Fundamentals and practice in beginning tumbling and gymnastic apparatus. Required of Physical Education majors.

PE 107—Trampoline (0-2-1)

Fall, Winter, Spring.

The teaching of the proper care and use of the trampoline. Under strict supervision, the student learns to perform the following skills: seat drop, knee drop, front drop, pull over, cradle, turntable, swivel hips, and spotting.

PE 108—Intermediate Swimming (0-2-1)

Fall, Winter, Spring, Summer (PE 311 or the American Red Cross WSI course may be substituted for PE 103 or 108).

Four basic strokes, skills, endurance and knowledge pertaining to safety in, on, or about water. Satisfies swimming requirement.

PE 109—Intermediate Gymnastics (0-2-1)

Winter. Prerequisite: PE 106 or permission of instructor.

Continuation of PE 106 with additional practice of tumbling and gymnastic apparatus.

PE 115—Officiating of Football (2-2-2)

Fall.

Consists of a study of rules, rules interpretation, and actual experience in officiating intramural games, approved community recreation games, and public school games. Elective credit.

Students must provide own whistles, hats and transportation to any offcampus assignment.

PE 116—Officiating of Basketball (2-2-2)

Winter.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games and public school games. Elective credit.

Student must provide own whistle and transportation to any off-campus assignment.

PE 117—Basic Health (2-0-2)

Fall, Winter, Spring, Summer.

A basic course in health education with emphasis on personal health. Required of majors.

PE 166—Safety and First Aid (3-0-2)

Fall, Winter, Spring, Summer.

The American Red Cross Advanced course in First Aid and CPR.

Required of majors. Contents of personal first aid kit must be provided by the student.

PE 200—Archery (0-2-1)

Fall, Winter, Spring, Summer.

Basic skills in archery for recreational use.

PE 201—Elementary Tennis (0-2-1)

Fall, Winter, Spring, Summer.

Basic skills in tennis. Student must provide own racquet and one can of new tennis balls.

PE 204—Advanced Weight Training (0-2-1)

Fall, Winter, Spring. Prerequisite: PE 100 or permission of instructor.

Emphasis on continued development of physical fitness through a variety of advanced weight training exercises. Improvement of maximum muscular strength and endurance in the major muscle groups of the body through progressive resistance exercises. Only one of PE 100 or PE 204 may count as an activity course toward the six hours of required physical education.

PE 205—Folk Square, Social Dancing (0-2-1)

Fall.

Instruction and practice in all forms of folk square, and social dancing. Required of Physical Education majors.

PE 206—Beginning Modern Dance (0-2-1)

Fall.

Introduction to the art of modern dance. Includes technique, exercise, basic improvisation, dance positions, and locomotor movement.

PE 207—Swimming Methods and Techniques (0-2-1)

Winter. Prerequisite: PE 108 or equivalent.

Methods and techniques of teaching beginning swimming skills. Required of majors not completing the Water Safety Instructor's Course.

PE 208—Golf (0-2-1)

Fall, Winter, Spring, Summer.

Basic techniques and instruction for the beginning golfer. Minimum of 36 holes of golf must be played outside of class at student's expense. Must provide six shag balls for class and transportation.

PE 209—Intermediate Modern Dance (1-2-1)

Winter. Prerequisite: PE 206 or permission of the instructor.

A continuation of PE 206 with emphasis on dynamics, composition, and choreography.

PE 210—Prevention and Treatment of Athletic Injuries (2-1-2)

Winter.

Theory and practice of caring for and preventing injuries relating to a variety of sports. Students required to assist in laboratory experiences with treating and preventive training through the athletic, intramural or physical education programs. Required of majors. Student must provide own athletic tape.

PE 212—Coaching Football (3-0-2)

Fall.

Instruction and practice in fundamental skills and team play, coaching courses is required of majors. Minimum of two games must be scouted at student's expense.

PE 213—Coaching Basketball (3-0-2)

Winter.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of majors. Minimum of two games must be scouted at student's expense.

PE 214—Coaching Baseball and Softball (1-0-2)

Spring.

Instruction and practice in fundamental skills and team play emphasizing methods and drills

used by leading coaches. One of the coaching courses is required of majors. Minimum of two games must be scouted at student's expense.

PE 215—Coaching Volleyball and Soccer (3-0-2)

Spring.

Introduction to the rules and fundamental skills of volleyball and soccer. Individual development and application of successful coaching methods. Coaching methods will include acquisition of sound organizational practices and understanding of various coaching types. Required of majors.

PE 216—Basic Games (2-0-1)

Spring.

Designed to acquaint student with the various categories of games, the appropriateness for each type of various age levels, proper progressions, and the best ways to use games to teach physical skills, emotional and social skills, and actual sports skills. Required of majors.

PE 217—Techniques of Dance (2-0-1)

Winter.

Overview of the art of dance and its various categories. Stresses similarities and differences in form, technique and history of the ballet modern dance, jazz dance, ballroom dance, square dance, aerobic dance and folk dance with emphasis on teaching and techniques.

PE 219—Techniques of Safety in Gymnastics (0-2-1)

Winter. Prerequisite: PE 106.

Course designed to give majors thorough understanding of the basic principles of spotting in gymnastics to assure maximum safety for learners as well as proper teaching progressions and lead-up skills necessary at each level of learning. Required of majors.

PEM 250—Introduction to Physical Education (5-0-5)

An introduction to the fields of physical education. Study will include a survey of historical foundations, relationships between health and physical education, professional skills, and career opportunities.

PEM 251—Intramurals and Recreation (3-0-3)

This course is designed to prepare the student to organize and administer intramural and recreational sports activities for elementary and secondary schools, for the college level and for the community. Activities range from canoeing to horseshoes. Students are required to partic-

ipate in field experiences and observations. Transportation must be supplied by the student.

PEM 252—Human Anatomy and Kinesiology in Physical Education (5-0-5)

A survey of selected systems of the body and the analysis of movement and application of mechanical principles in physical education activity.

PEM 253—Individual and Dual Sports (3-4-5)

Designed to acquaint student with the various individual and dual sports. The student will analyze and gain practice in teaching activities such as: archery, badminton, bicycling, bowling, fencing, fitness, golf, hiking, backpacking, racketball, tennis and weight training.

PEM 254—Team Sports Curriculum (3-4-5)

Designed for the enhancement of sports skills and for the analysis and practice in teaching these skills. Team sports include: basketball, field hockey, flag/tag football, soccer, softball, speedball and volleyball.

PE 310—Techniques of Sports Skills (5-0-5)

Spring. Prerequisites: PE 443 and student must have successfully completed an activity course in three of the following or have permission of the instructor: golf, tennis, badminton, bowling, and team sports. Admission to Teacher Education.

Analysis and practice in teaching sport skills, such as: golf, tennis, bowling, badminton, basketball, volleyball, soccer and softball. Required of majors.

PE 311—Advanced Life Saving Course in Swimming (1-2-2)

Fall. Prerequisite: 500 yard continuous swim using four basic strokes.

The American Red Cross Advanced Life Saving Course. (May be substituted for PE 103 or 108).

PE 315—Skill Techniques (0-2-2)

Fall, Winter, Spring. Prerequisite: PE 310. Admission to Teacher Education.

Laboratory experiences in assisting and teaching activity courses in the physical education program. Students will assist college faculty in planning, instructing, and evaluation procedures in a college physical education activity class. Majors only. Required of majors.

PE 316—Water Safety Instructor (0-3-2)

Spring. Prerequisite: Current Advanced Life saving certificate.

Course designed to teach proper methods of learning sequences, and skills for the purpose of certifying students as American Red Cross Water Safety instructors qualified to teach Beginning, Advanced Beginning, Intermediate Swimming and Advanced Lifesaving courses. Includes review of lifesaving skills and practical teaching. Required of majors: PE 207 or 316.

PE 317—Methods and Curriculum of Health Education in the Elementary and Secondary Schools (3-0-3)

Winter. Prerequisite: Admission to Teacher Education.

Selection of health content in school curriculum, preparation and presentation of health topics. Teaching method is emphasized and student participation is stressed. Required of majors.

PE 320—Health and Physical Education for the Elementary School Teacher (3-0-3)

Winter. Prerequisite: Admission to Teacher Education.

Theory and current practice in the teaching of health and physical education at the elementary school level. Designed to meet the requirement for elementary certification.

PE 321—Movement Education (3-0-3)

Spring.

Designed to equip the student to teach elementary physical education via the use of "movement education," i.e., the guided discovery method of teaching the concepts of Spacial Awareness, Body Awareness, Quality of Body Movement and Relationships. Required of majors.

PEM 351—Measurement and Evaluation in Health, Physical Education (5-0-5)

Prerequisite: Math 220.

Lectures, laboratory and field experience in the development, evaluation and application of tests in health and physical education. Student will learn to utilize computer software for instructional and administrative purposes.

PEM 352—Physiology of Exercise (4-2-5)

Prerequisite: PEM 252.

A study of body systems and their reactions to various types and levels of exercise. Student will include parts and functions of systems involved.

involved in the exercise process. Students will investigate various components of physical fitness, weight control, and exercise prescription.

PEM 353—Elementary School Physical Education (4-2-5)

Theory and current practice in the teaching elementary physical education including developmental tumbling and gymnastics, basic movement patterns, fundamental and creative rhythmic activities, activities related to health-fitness and basic skill pattern development. Multicultural considerations in planning and implementing adequate elementary physical education programs to meet the needs and interests of all students will be explored. Directed lab experience included.

PEM 354—Middle School Physical Education (4-2-5)

Theory and current practice in the teaching middle school physical education including jumps/tumbling/gymnastics, physical fitness concepts and activities, rhythmic and dance activities, individual/partner/group games, lead-up and modified individual/dual/team sports. Multicultural considerations in planning and implementing adequate middle school physical education programs to meet the needs and interests of all students will be explored. Directed lab experience included.

PEM 355—Secondary School Physical Education (4-2-5)

The study of curricular methods, media and assessment of secondary physical education programs as they apply to the developmental levels of the secondary age student. Multicultural considerations in planning and implementing adequate secondary physical education programs to meet the needs and interests of all students will be explored. Directed lab experience included.

PEM 364—Physical Education for the Exceptional Child (3-2-5)

Student is introduced to methods of identifying and programming for the exceptional child.

PEM 413—Special Topics in Physical Education (5-0-5)

Fall. Prerequisite: PEM 351.

Research methods in health and physical education. Allows students an opportunity for in-depth pursuit into areas of their interests. Open to majors only. Required of majors.

PE 421—Organization and Administration of Physical Education and Athletics (5-0-5)

Winter. Prerequisite: Permission of instructor or Admission to Teacher Education.

Practice and policies in establishing, administering, and evaluating physical education and athletic programs. Such experiences as curriculum planning and selection, care and maintenance of equipment are included in this course. Open to majors only.

PEM 451—Laboratory Experience I (0-2-1)

Prerequisites: PEM 253, 254.

Laboratory experience in assisting and teaching activity courses in the basic physical education program. Students will assume instructor roles in class management, student assessment, methods of instruction, and the learning environment.

PEM 452—Laboratory Experience II (0-2-1)

See PEM 451 for prerequisites and course description.

PEM 453—Laboratory Experience III (0-2-1)

See PEM 451 for prerequisites and course description.

Graduate Program and Courses

Health Science

Head: Dr. Roy Sims

Coordinator: Dr. Emma Simon

Objectives

The Health Science Program is designed to enhance the concept of health on behalf of individuals and the general public. The curriculum will emphasize health promotion, wellness and prevention rather than the curing of illness. The primary format will be an interdisciplinary approach which permits a more global view of health. More specific objectives are:

1. To teach individuals that behavioral change can occur through education.
2. To foster health, health promotion, and disease prevention;
3. To prepare competent, knowledgeable health educators; and,

4. To provide health practitioners the opportunity to gain expertise in the health related areas of education, administration, management, computer science, correctional science, or public policy.

Advisement

Each student admitted to the MHS program will be assigned an advisor. As soon as the student is notified of this assignment, a conference between the advisor and advisee should be arranged. This meeting will result in an approved program of study.

Comprehensive Examination

Satisfactory performance on the comprehensive examination is required of all candidates. As coursework nears completion, the student should be in contact with the coordinator to schedule the examination.

PROGRAM FOR THE DEGREE OF MASTER OF HEALTH SCIENCE

	Hours
A. Health Science Courses	40
1. HS 500, 550, 660, 670, 700.....	25
2. EDN 771	5
3. HS 790, 791 or HS 795, 796	10
B. Concentration Courses	20
(one of the following areas in toto)	
1. Health Education.....	20
a. HE 500, 650	10
b. HE 700, 770	10
2. Computer Science	20
3. Education	20
a. EDN 741	5
b. EDN 632 or EDN 665.....	5
c. EDN 731, 750.....	10
4. Administration	20
a. BAD 540, 662.....	10
b. BAD electives.....	10
5. Public Policy.....	20
a. Three courses from: POS 601, 603, 618, 705.....	15
b. POS 619 or 560	5
6. Physical Education.....	20
a. PE 700	5
b. PE 780	5
c. PE 770	5
d. PE 760	3
e. PE 800	2
TOTAL	60

OFFERINGS

Health Education Offerings

HE 500—Marketing Health—An Interdisciplinary Approach (5-0-5)

From the point of view of social scientists and business and health professionals, the selling of health using educational techniques is undertaken. The utilization of concepts of health in lifestyle is addressed. The Human Development model is used.

HE 650—Counseling and Health Care: Topics in Health Science and Developmental Crisis (5-0-5)

Coping mechanisms appropriate to recurring problems in healthy living and developmental crises are elaborated. Using noninvasive counseling techniques, these mechanisms are offered for incorporation into lifestyles.

HE 700—Selected Topics in Health Education (5-0-5)

Psycho-social, political and economical barriers to health living are identified and attempted to overcome them made. Topics are selected on the basis of contemporaneity, persistence and impact.

HE 770—Health Promotion Through Physical Activity (5-0-5)

A study of the effects of physical activity on health enhancement and maintenance. Physical assessment methods, equipment and prescription regimes will be included. A holistic approach to health will be the basis theme of the course.

Health Science Offerings

HS 500—The Health-Illness Continuum (5-0-5)

Health and Illness are viewed not as ends in one continuum, but as two discrete continua. The course will focus on enhancement of health and elimination of illness/injury—as a function of lifestyle, and be taught from the perspective of "Human Development."

HS 550—Topics in Community Health (5-0-5)

Contemporary problems and issues regarding the enhancement of health and the elimination of illness/injury. Lifestyles and social political factors relative to optional health care age and groupings will be emphasized.

S 660—Selected Topics in Illness/Injury and Rehabilitation—An Interdisciplinary Approach (5-0-5)

Contemporary problems of Illness/Injury (e.g., hypertension, stroke, accidents, carcinoma, substance/nutrition abuse), their therapeutic interventions, and their rehabilitation regimens are scrutinized. The Human Development model will be utilized.

S 670—Selected Topics in Health—An Interdisciplinary Approach (5-0-5)

A discussion of the most recent findings which enhance health, and the incorporation of their findings into a lifestyle. Reduction of stress, exercise, nutrition, interpersonal relationships and other topics will be taken from the Human Development model.

S 700—Political Sociology of Health Care: The Consumer, The Provider, and State, Local, Federal Policies (5-0-5)

An examination of the economic/political/social milieu in which health care exists. Constraints and demands of directing mores and legislation and their influences on lifestyles are identified and discussed.

S 790—Practicum I (1-8-5)

A two-quarter course giving the student opportunity to specialize or to become knowledgeable in a health, therapeutic, rehabilitation setting, or combination thereof.

S 791—Practicum II (1-8-5)

Prerequisite: HS 790.

See HS 790 for course description.

S 795—Thesis (0-V-5)

Prerequisite: Permission of Instructor.

The student will identify and develop a research study in an area of interest in health.

S 796—Thesis (0-V-5)

Prerequisite: HS 795.

The student will complete the research study initiated in HS 795.

Physical Education Graduate Courses

Coordinator: Dr. Roy Sims

PE 700—Advanced Physiology of Exercise (3-4-5)

Prerequisite: PEM 352 or equivalent Physiology of Exercise.

A study of the neuromuscular, metabolic, and cardiovascular-respiratory responses and adaptations to exercise. Emphasis is placed on the biologic basis of human physical performance and fitness. Laboratory experiences include exposure to environmental, ergonomic, metabolic, circulatory, respiratory, and body composition measurement techniques.

PE 710—Psychology of Coaching (5-0-5)

A study of the principles of psychology as applied to the problems of coaching today's athletes. A reading and research course designed to help students understand today's special situations, individual and team personalities and ways to motivate and improve performance.

PE 720—Philosophy of Sports in Society (5-0-5)

A study of the significance of sports in society. The course will focus on the definition and clarification of sports and the sporting experience in order to determine the place and meaning of sports in our lives.

PE 730—Outdoor and Recreational Activities (5-0-5)

In-depth study into the formulation of the major factors determining the philosophy of recreation, program planning and administration of outdoor experiences and recreational activities in all aspects of school, church and industry. Emphasis upon the development of a specific recreational program and/or activity.

PE 740—Social and Psychological Aspects of Physical Education (5-0-5)

A study of the research literature in sociology and psychology as it relates to physical activity. Emphasis is placed on application to physical education and athletics.

PE 750—Administration and Supervision of Physical Education and Athletics (5-0-5)

Advanced study and research into the relationship of athletics and physical education programs in the educational community. Specific attention is given to personnel, eligibility, finance, liability, safety, and policies in directing and supervising intramural and interscholastic athletics.

PE 760—Readings in Physical Education and Athletics (3-0-3)

A comprehensive review of literature in physical education, athletics, and related areas, with emphasis on learning to evaluate research methods and findings.

PE 770—Motor Learning (4-2-5)

This course is designed to acquaint students with research findings and empirical evidence regarding the physiological and psychological implications of motor skills, learning theories and other individual differences as they influence physical activity.

PE 780—Mechanical Analysis (4-2-5)

Prerequisite: PEM 252 or equivalent Kinesiology.

A scientific analysis of basic human movement skills with emphasis on the laws of physics and their application in physical education and sport.

PE 790—Methods and Materials (5-0-5)

Prerequisite: PEM 317 or equivalent Methods and Curriculum in Health and Physical Education.

Selection of level of specialization for indepth study of research materials and current trends in physical education teaching methods.

PE 800—Seminar on Current Issues (2-0-2)

Study of current issues and problems in physical education with emphasis on outstanding studies and research in the field. Emphasis is on student participation to provide them the opportunity to exchange and assimilate ideas and concepts.

PE 810—Research in Physical Education (5-0-5)

Prerequisite: PEM 351 or equivalent measurement and Education in Health, Physical Education and Recreation.

A study of methods of research in physical education. An analysis of selected research articles and designs will be emphasized.

Medical Technology

Faculty

Hardegree, Lester Jr., Program Director
Miller, James, Medical Director
Rodgers, Anne

Medical technology is a career in clinical laboratory science. Medical technologists perform and/or supervise the testing of blood, urine, spinal fluid and other body specimens. Applying the knowledge of chemistry, mathematics and biology, the medical technologist uses both manual and automated techniques to provide diagnostic data to physicians.

The B.S. in Medical Technology curriculum is a 4 year program. During the first two or three years students complete core curriculum courses in chemistry, biology, mathematics, humanities and social science. The professional medical technology courses are sequenced to begin each fall quarter. These courses cover the major laboratory areas (urinalysis, hematology, clinical chemistry, blood banking, microbiology, serology), and are taught on campus. The clinical practicum is provided in the clinical laboratories of Candler General Hospital, the South Atlantic Red Cross Blood Center, Memorial Medical Center and St. Joseph's Hospital, all located in Savannah. Upon completion of the program, graduates are eligible to take the certification examination of the Board of Registration for Medical Technologists of the American Society of Clinical Pathologists and the Clinical Laboratory Scientist examination of the National Certification Agency for Medical Laboratory Personnel.

Insurance and Forms

Students accepted into the program will be required to submit a complete Armstrong State College Health Professions Student Health Application form. Prior to enrollment in the clinical practicum the student will be required to provide evidence of liability insurance and medical coverage.

Progression Requirements

1. The student must earn a "C" or better in each Medical Technology course.
2. A student may repeat a single MT course only one time and at the next offering provided space is available.

3. A student who must repeat a single MT course more than once or more than one MT course will be dismissed from the program with no option for readmission. The student must maintain an overall adjusted Grade Point Average of 2.0 or better. A student who falls below the 2.0 GPA will be placed on "Suspension" for one quarter. If the student's GPA is not raised by the end of the next quarter, then the student will be dismissed from the program. The student must complete the Professional coursework within three (3) consecutive years from the date of their initial admission to the Medical Technology Program.

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

	Hours
General Requirements	96
Area I.....	20
1. ENG 101, 102 or 192, 201 or 292.....	15
2. One course selected from: ART 200, 271, 272, 273; ENG 222; MUS 200; PHI 200	5
Area II.....	20
1. CHE 128, 129.....	10
2. MAT 101, 220.....	10
Area III.....	20
1. HIS 114 or 191, 115 or 192.....	10
2. POS 113.....	5
3. One course selected from: ANT 201, ECO 201, PSY 101, SOC 201.....	5
Area IV.....	30
1. BIO 101 or 111	5
2. ZOO 208	5
3. Electives in BIO, CHE and/or CS.....	20
(Must contain at least 1 Biology or Zoology course which completes a 10 hour sequence, and 1 Chemistry course.)	
Area V.....	6
1. PE 103 or 108 and 117 or 166	3
2. Three activity courses.....	3
State Requirement.....	5
HIS 251 or 252.....	5

B. Courses in the Major Field.....	96
1. Upper Division Sequences.....	20
BIO 351, 353.....	10
CHE 341, 342.....	10
2. Professional Courses	76
MT 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 420, 430, 440, 450, 411, 421, 431, 441, 451, 461, 490.....	76
C. Regents' and Exit Examinations	0
TOTAL	197

OFFERINGS

MT 300—Professional Foundations in Laboratory Science (2-0-2)

An introductory course to acquaint the student with the role of the Medical Technologist and other laboratory personnel as a member of the health care team. Topics will include job responsibilities, accreditation, certification and licensure standards, career opportunities, professional organizations, and professional ethics.

MT 310—Urinalysis and Body Fluids (3-4-5)

Prerequisite: Admission to the MT program or permission of program director.

A qualitative and quantitative study of the chemical and microscopic constituents of urine and other body fluids and the clinical significance of the test results.

MT 320—Clinical Microbiology I (4-6-7)

Prerequisite: BIO 351 or permission of program director.

A study of the relationship of bacteria to disease. Major emphasis is placed on the isolation and identification of bacteria responsible for human diseases. Also included is sensitivity testing and mycobacteriology.

MT 330—Clinical Hematology I (4-6-7)

Prerequisite: Admission to the MT program or permission of program director.

A qualitative and quantitative study of the formed elements of the blood. To include the complete blood count and specialized test procedures. This course will also include the basic principles of hemostasis and blood coagulation.

MT 340—Clinical Immunohematology I (3-6-6)

Prerequisite: Admission to the MT program or permission of program director.

A study of basic immunohematologic principles and their application to the preparation and administration of whole blood and blood components. To include the selection and processing of donors, cross matching procedures, and antibody identification.

MT 350—Clinical Chemistry I (4-6-7)

Prerequisite: CHE 342, and MT 360 or permission of program director.

A comprehensive study of the physiological principles, methodology and clinical significance of the biochemicals and elements found in the body fluids.

MT 360—Clinical Instrumentation (3-4-5)

Prerequisite: Admission to the MT program or permission of program director.

A basic study of the principles and operation of laboratory instrumentation. Emphasis will be placed on the individual components and the inter-relationship of the components. Electronics will be included.

MT 370—Clinical Serology (2-2-3)

Prerequisite: Admission to the MT program or permission of program director.

A study of the principles and procedures used in the isolation, identification and quantitation of diagnostically significant antigens and antibodies.

MT 380—Clinical Parasitology (2-2-3)

Prerequisite: Admission to the MT program or permission of program director.

A study of the pathogenesis, life cycle, and laboratory identification of human parasites.

MT 390—Clinical Mycology (2-2-3)

Prerequisite: Admission to the MT program or permission of program director.

A study of the pathogenesis and laboratory isolation and identification of fungi that can invade humans.

MT 400—Directed Study (1-5)-0-(1-5)

Offered on demand with approval of program director.

A study of selected Medical Technology topics designed to meet the needs of the student. Credit will depend upon the work to be done. May be repeated up to 10 quarter hours.

MT 420—Clinical Microbiology II (2-0-2)

Prerequisite: Concurrent enrollment in clinical practicum and completion of MT 320.

Advanced level lecture presentations of special topics in microbiology.

MT 430—Clinical Hematology II (2-0-2)

Prerequisite: Concurrent enrollment in clinical practicum and completion of MT 330.

Advanced level lecture presentations of special topics in hematology.

MT 440—Clinical Immunohematology II (2-0-2)

Prerequisite: Concurrent enrollment in clinical practicum and completion of MT 340.

Advanced level lecture presentations of special topics in immunohematology.

MT 450—Clinical Chemistry II (2-0-2)

Prerequisite: Concurrent enrollment in clinical practicum and completion of MT 350.

Advanced level lecture presentations of special topics in clinical chemistry.

MT 411—Phlebotomy Practicum (0-4-1)**MT 421—Clinical Microbiology Practicum (0-16-4)****MT 431—Clinical Hematology Practicum (0-16-4)****MT 441—Clinical Immunohematology Practicum (0-8-2)****MT 451—Clinical Chemistry Practicum (0-20-5)****MT 461—Clinical Urinalysis Practicum (0-8-2)****Total (0-72-18)**

Prerequisites: Completion of respective elective MT courses.

A structured clinical laboratory experience where the students integrate theory and application under supervision in the identified content area. This will provide time and facilities to allow the students to develop speed, confidence, organization and to analyze and solve technical problems.

MT 490—Management and Education (2-0-2)

Basic concepts of laboratory management, leadership and education.

Radiologic Technologies

Faculty

son, Sharyn, Program Director
son, Elwin

Radiologic Technology is a comprehensive term that is applied to the science of administering ionizing radiation, Radionuclides, and other forms of energy to provide technical information and assistance to the physician in the diagnosis and treatment of diseases and injuries. This field offers four specific career specialties; radiography, nuclear medicine technology, radiation therapy technology and diagnostic medical sonography. At present, the Radiologic Technologies Program offers an Associate Degree in the specialty area of radiography.

Program Goals

The specific goals of the Program are as follows:

To educate superlative clinicians. In addition to mastering basic skills necessary to perform routine radiographic examinations, the Program's graduate will possess skills necessary to perform non-routine and special radiographic procedures.

To expose the student to an in-depth analysis of the art and science of radiography. The student will receive not only an in-depth education to radiography but also in related natural and social sciences.

To give the students a well rounded liberal arts education. In addition to the professional component of the curriculum, the student receives a well rounded liberal arts education in so that the student will be able to effectively integrate into society.

Professional Insurance, Transportation

Local hospitals are affiliated with the college for the Clinical Education courses. Student radiographers are responsible for providing their own transportation.

Prior to matriculation through Clinical Education Courses, students are required to submit a completed health history form and evidence of professional liability insurance. Specific information regarding these requirements will be distributed to students admitted to the Program.

Progression Requirements

For progression through the Program, the following must be maintained:

1. Science courses (ZOO 208, 209, 215, CHE 201, CS 115, PHY 201, 202)
 - a. A passing grade in each course ("D" or better).
 - b. A "C" or better in at least four of these courses.
 - c. A student may repeat only one of these courses.
 - d. Students who must repeat more than one science course because of grade of "F" will be suspended from the Program.
2. Radiography courses
 - a. A "C" or better in each Radiography course.
 - a. A student may repeat only one Radiography course.
 - c. Students who must repeat more than one Radiography course will be dismissed from the Program.
3. The maintenance of an overall grade point average of 2.0 is required throughout the program. When a student falls below the adjusted GPA of 2.0, the student will be placed on probation, suspended, or dismissed after a review by the faculty of the Program.
4. Conditionally accepted students must have a GPA of 2.0 by the end of the second quarter of matriculation through the program or after completion of 30-45 quarter hours. In the event the conditionally accepted student does not achieve the aforementioned requirements, he or she will be dismissed from the program.

Attendance and Advanced Standing

A student must matriculate each quarter, including Summer Quarter, to remain in the Program. If, because of illness or other extenuating circumstances, a student must be away from school for a quarter, the student must seek formal approval from the Program Director for such an absence. If such approval is not sought and granted, the student will be dropped from active status and must reapply for admission before continuing in the Program.

The Radiologic Technologies Program is committed to a philosophy of educational flexibility to meet the needs of the profession. Individuals who are graduates of Certificate (hospital) Programs and working in the profes-

sion who are certified by the American Registry of Radiologic Technologists may receive advanced standing by a process of exemption examinations and CLEP examinations. These individuals may be awarded Credit-By-Examination up to 71 quarter hours for previous professional education. Please contact the Program Director for details.

PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN RADIOLOGIC TECHNOLOGIES

	Hours
A. General Requirements	33
Area I	10
1. ENG 101, 102 or 192	10
Area II	5
MAT 101	5
Area III	10
HIS 251 or 252	5
POS 113	5
Area IV	5
CHE 201	5
Area V	3
Any three physical education credits	3
B. Courses in the Major Field	71
RAD 104, 111, 112, 113, 114, 121, 122, 123	29
RAD 200, 201, 202, 203, 205, 221, 222, 223, 224, 225	42
C. Courses in Related Fields	20
CS 115	5
ZOO 208, 209, 215	15
D. Regents' and Exit Examinations	0
TOTAL	124

Radiologic Technologies Offerings

RAD 104—Principles of Radiographic Exposure (4-3-5)

Prerequisites: Formal admission to the Program.

Factors influencing radiographic quality and conditions influencing exposures are presented. Attenuating devices, beam restricting devices, and accessory equipment are demonstrated. Technic charts and formation are vehicles for the application of the radiographic process.

RAD 111—Radiographic Procedures and Radiation Protection (4-3-5)

Prerequisites: Formal admission to the Program.

This course introduces the student to the basic theory and principles of radiographic procedures of the extremities, shoulder girdle, and pelvic girdle. Emphasis is placed on osteoanatomy, spatial relationships, patient positioning, equipment manipulation, and quality evaluation of the radiographic study. Basic medical terminology will be included.

RAD 112—Radiographic Procedures II (4-3-5)

Prerequisites: Formal admission to the Program and RAD 111.

The theory and principles of radiographic examinations of the chest and abdomen are studied. Emphasis is placed on radiographic examinations of the visceral organs requiring use of contrast media, spatial relationships, patient positioning, equipment manipulation, and quality evaluation of the study.

RAD 113—Radiographic Procedures III (4-3-5)

Prerequisites: Formal admission to the Program and RAD 112.

The theory and principles of radiographic examinations of the spines, facial bones and cranium are studied. Emphasis is placed on osteoanatomy, spatial relationships, patient positioning, equipment manipulation, and quality evaluation of the study.

RAD 114—Radiographic Procedures IV (3.5-1.5-4)

Prerequisites: Formal admission to the Program and RAD 113.

The theory and principles of non-routine radiographic examinations are studied. Topics included are studied of the neurovascular system, central nervous system, heart, breast, reproductive organs, and additional non-routine examinations involving contrast media and specialized instrumentation. Emphasis will be given to preparation of special procedures, sterile technique, and utilization of specialized equipment.

RAD 121—Clinical Education I (0-8-1)

Prerequisites: Formal admission to the Program, permission of the instructor, and CPR certified.

Orientation to patient care, introduction to areas involving the field of radiology, and orientation to the clinical setting are presented. This is a supervised clinical practice in performing radiographic procedures, radiation protection, patient care, equipment orientation, radiographic technique, darkroom procedures, and film quality evaluation. Competency evaluation of routine radiographic examinations is included.

RAD 122—Clinical Education II (0-16-2)

Prerequisites: RAD 121 and permission of the instructor.

This is a supervised clinical practice in performing radiographic procedures with an emphasis on the competency evaluation of routine radiographic examinations.

RAD 123—Clinical Education III (0-24-3)

Prerequisites: RAD 122 and permission of the instructor. RAD 104 and RAD 113 must be taken as a corequisite or prerequisite.

This course is a supervised clinical practice performing radiographic procedures with an emphasis on the competency evaluation of routine radiographic examinations.

RAD 200—Nursing Procedures (1.5-1.5-2)

Prerequisite: Formal admission to the Program.

The student is introduced to basic nursing techniques as they relate to the patient in the Radiology Department. Topics included are psychological needs of patients, meeting physical requirements of patients, transporting and moving of patients, monitoring of patients, suctioning, catheterization, administration of injections, I.V. maintenance, and dealing with emergency medical situations.

RAD 201/202—Radiation Science I & II (2-5)

Prerequisite: MAT 101 or Permission of the instructor.

This course deals with the application of radiation physics as it relates to the production, propagation and detection of electromagnetic and particulate radiation. Emphasis will be given to mechanisms describing the interaction of X-rays with matter, photographic and electronic image detection, electronic circuitry, and the physical function of associated radiographic equipment.

RAD 203—Radiobiology (3-0-3)

Prerequisite: RAD 202, ZOO 209 or permission of instructor

This course is designed to give the radiography student an understanding of the effects of radiation exposure, dose limits, and structural protection requirements. Topics included will be somatic and genetic effects of radiation exposure, measurement and protection methods, plus NCRP and BRH standards.

RAD 205—Quality Assurance (2-2-3)

Prerequisite: Permission of instructor.

This course is a study of equipment testing and instrumentation, record keeping systems, and statistical analysis of equipment and supply usage. Emphasis will be given to testing procedures. QA program implementation, and federal government guidelines.

RAD 221—Clinical Education IV (0-24-3)

Prerequisites: RAD 123 and permission of the instructor.

This course is a supervised clinical practice in performing radiographic procedures with an emphasis on the competency evaluation of radiographic examinations.

RAD 222—Clinical Education V (0-24-3)

Prerequisites: RAD 221 and permission of instructor.

This course is a supervised clinical practice in performing radiographic procedures with an emphasis on the competency evaluation of radiographic examinations.

RAD 223—Clinical Education VI (0-24-3)

Prerequisites: RAD 222 and permission of the instructor.

This course is a supervised clinical practice in performing radiographic procedures with an emphasis on the competency evaluation of radiographic examinations.

RAD 224—Clinical Education VII (0-24-3)

Prerequisites: RAD 223 and permission of instructor.

This course is a supervised clinical practice in performing radiographic procedures with an emphasis on the competency evaluation of radiographic examinations.

RAD 225—Clinical Education VIII (6-32-12)

Prerequisites: Successful completion of all required Radiologic Technologies courses or permission of instructor.

This course is a supervised clinical practice in performing radiographic procedures and an exposure to various specialized areas within the profession of Radiologic Technology. Emphasis is placed on the competency evaluation of ra-

diographic examinations and demonstration of radiographic examinations and demonstration of basic skills in various specialized areas within the profession. Course includes seminar in which pertinent professional topics and the transition from student to graduate technologist will be discussed.

Respiratory Therapy

Faculty

Bowers, Ross, Department Head
 Di Benedetto, Robert, Co-Medical Director
 Mazzoli, Andrew, Director of Clinical Education
 Morris, Stephen, Co-Medical Director
 Smith, William

For the two-year (seven consecutive quarters) program leading to the Associate in Science degree in Respiratory Therapy, the student must complete a curriculum of 64 quarter hours in academic courses and 64 quarter hours within the major. The A.S. degree from an accredited Respiratory Therapy program qualifies the graduate for entry into the Registry credentialing system. The Registry is the highest professional credential available in the field of respiratory therapy. The credentialing process is a two-step nationally administered examination. Step 1 is a comprehensive written exam to be taken shortly after graduation. The graduate who passes this exam will earn the entry level credential C.R.T.T. and will be eligible to enter the registry credentialing system. The registry exam consists of a written and a clinical simulation component. The candidate who passes both parts of the registry exam will earn the credential Registered Respiratory Therapist.

PROGRESSION REQUIREMENTS

For progression through the Associate Degree Program in Respiratory Therapy, the following must be maintained:

1. Courses Related to the Major (CHE 201, 202, ZOO 208, 209, 211, BIO 210 and HS 110)
 - a. A student may carry no more than one grade of less than "C"
 - b. A grade of "F" must be repeated the next quarter that the course is offered

- c. A student must have successfully completed the requirements for Che 202 and ZOO 211 by the end of the summer quarter of the freshman year. Failure to comply with this requirement will result in suspension from the program. A student suspended from the program will be eligible for readmission
- d. A student who must repeat more than one course because of a grade of "F" will be dismissed from the program with no option for readmission
2. Courses in the Respiratory Therapy Major
 - a. A grade of "C" or better is required for each course that is a prerequisite for a subsequent course. Failure to comply with this requirement will result in suspension from the program.
 - b. A student who earns a grade of less than "C" must repeat that course the next quarter it is offered.
 - c. A student may repeat a respiratory therapy course only once.
 - d. A student may repeat only one respiratory therapy course.
 - e. Students who must repeat a respiratory therapy course more than one time will be dismissed from the program with no option for readmission.
 - f. Students who must repeat more than one respiratory therapy course will be dismissed from the program with no option for readmission.
3. Grade Point Average

The maintenance of a 2.0 GPA is desired throughout the respiratory therapy program. Students who fall below 2.0 are subject to the academic status classification identified in the Academic Regulations section of this catalogue. Students placed on academic Warning who do not raise their GPA to the minimum criteria for academic Good Standing the subsequent quarter will be suspended from the program until such time they return to Good Standing. Courses used to raise the GPA must be approved by their academic advisor.

Regents Exam

Successful completion of the Regent's Exam is a requirement for all students receiving a degree from the University System of Georgia. The School of Health Professions requires that a student must have passed both parts of the Regent's Exam prior to their last quarter in their major. Failure to comply with this requirement will result in suspension from the program until such time that the exam is successfully completed.

Exit Exam

The University System of Georgia requires that all students take a comprehensive Exit Exam in their major field. The department of respiratory therapy uses a nationally validated exam for this purpose. The exit exam is administered during the spring quarter of the sophomore year. All students are required to earn a grade of 70% prior to the end of the spring quarter.

PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN RESPIRATORY THERAPY

	HOURS
General Requirements	64
Area I: Humanities	
1. ENG 101, 102	10
Area II: Mathematics and Natural Sciences	
1. MATH 101	5
Area III: Social Sciences	
1. HIS 251 or 252	5
2. POS 113	5
3. PSY 101 or SOC 201 or ANT 201	5
Area IV: Courses Related to Major Field	
1. CHE 201, 202	10
2. ZOO 208, 209, 211	13
3. BIO 210	5
4. HS 110	3
Area V: Physical Education	
1. PE 117 or 166	2
2. PE Activity Course	1
Courses in the Major Field	64
1. RT 110, 102, 111, 121, 112	28
2. RT 210, 211, 221, 212, 213, 222, 206, 223, 214	36
Regent's and National Standardized Self Assess Exams	0
TOTAL	128

OFFERINGS**RT 110—Patient Assessment (4-2-5)**

Prerequisite: ZOO 208, CHE 201

Offered: Winter Quarter

The primary goal of RT 110 is to teach the student the assessment skills required to evaluate and develop a respiratory care plan. By the completion of RT 110 the student will be able to: review the medical record, conduct a patient interview, perform a physical examination of the chest, monitor and interpret vital signs, perform ventilatory monitoring procedures, interpret arterial blood gases and interpret the chest xray. The content of RT 110 is essential to the student's progression to the clinical phase of the curriculum.

RT 113—Respiratory Therapy Equipment (2-2-3)

Prerequisite: CHE 201, RT 110

Corequisite: CHE 202

Offered: Winter Quarter

A course designed to focus on the technology and equipment used in providing respiratory care. The student will be able to select and obtain equipment appropriate to the care plan, assemble and check for proper function and identify and correct equipment malfunctions. Quality control and asepsis procedures will also be emphasized.

RT 114—General Patient Care (3-2-4)

Prerequisite: RT 110, 113

Corequisite: RT 102, 120

Offered: Spring Quarter

A course designed to focus on implementation and evaluation of the respiratory care plan. The student will develop the cognitive and technical skills necessary to initiate and evaluate the patient's response to O2 therapy, CPR, aerosol and humidity therapy, bronchial hygiene, IPPB therapy and airway care. A protocol for initiating a change in the care plan will also be emphasized.

RT 120—Applied Patient Care (0-8-2)

Prerequisite: RT 110, 113

Corequisite: RT 114

Offered: Spring Quarter

A clinical practicum designed to orient the student to the hospital environment. Basic assessment skills and O2 rounds will be emphasized. Students will also participate in the cleaning, sterilization, assembly, and routine maintenance of equipment.

RT 102—Pulmonary Pharmacology (5-0-5)

Prerequisites: ZOO 208, CHE 201, RT 110

Offered: Spring Quarter

This course is designed to give the student an in-depth look at drugs that directly affect the pulmonary system. During this course the student will study: route of drug administration, pharmacodynamics, drug interactions, mucokinetics and mucokinetic drugs, bronchospasm and bronchodilators, cholinergic drugs cromolyn sodium, corticosteroids, antibiotics, antitubercular drugs, respiratory stimulants and depressants, anesthetics and neuromuscular blockers.

RT 121—Applied Respiratory Care I (0-16-4)

Prerequisites: RT 111, RT 102.

Offered: Summer Quarter

The primary goal of RT 121 is to provide the student sufficient opportunities to apply the cognitive, affective and psychomotor skills developed in RT 110 and RT 111 in the clinical setting. By the completion of this course the student will be able to: collect data necessary for developing the care plan, implement the prescribed care plan, evaluate the patient's response to therapy and modify or recommend modification of the care plan based on patient response. By the completion of RT 121 the student will be able to demonstrate problem solving skills in the clinical setting. The clinical competencies developed in RT 121 are a prerequisite for progression to the critical care component of the curriculum.

RT 112—Diagnostic Procedures (4-2-5)

Prerequisites: ZOO 211, RT 111, RT 102.

Offered: Summer Quarter

The primary goal of RT 112 is to teach the student the cognitive and psychomotor skills necessary to perform or assist the physician in performing diagnostic procedures in the blood gas, pulmonary function and cardiovascular labs. The student will also develop competencies in cardiovascular assessment. By the completion of this course the student will be able to interpret diagnostic data and apply it to patient care.

RT 210—Pulmonary Medicine (4-0-4)

Prerequisites: RT 112, RT 121, BIO 210

Offered: Fall Quarter

The primary goal of RT 210 is to provide the student a basic foundation in pulmonary pathology and clinical medicine. The course is primarily taught by physicians in the community. By the completion of this course the student will

have an understanding of the etiology, epidemiology, pathophysiology, presenting symptoms, clinical manifestations, diagnostic complications, medical management and prognosis associated with acute and chronic disease of the lungs. The course will focus primarily on conditions seen outside of the critical care/emergency medicine area.

RT 211—Adult Critical Care I (4-3-5)

Prerequisites: RT 112, RT 121

Offered: Fall Quarter

The primary goal of RT 211 is to teach the student the cognitive and psychomotor skills necessary to establish and maintain the patient ventilator system. Emphasis will be on knowledge of ventilatory support equipment and techniques for initiation, assessment, modification and discontinuation of ventilatory support systems. The content of RT 211 is essential for progression to RT 212.

RT 221—Applied Respiratory Care II (0-16-4)

Prerequisites: RT 112, RT 121

Offered: Fall Quarter

The primary goal of RT 221 is to provide the student sufficient opportunities to apply the cognitive, affective and psychomotor skills developed in RT 112 and RT 211 in the clinical setting. Emphasis will be placed on developing clinical competencies in the ICU, diagnostic laboratory and operating room setting.

RT 212—Adult Critical Care II (3-0-3)

Prerequisites: RT 211, RT 221

Offered: Winter Quarter

The primary goal of RT 212 is to teach the student how to evaluate the effect of mechanical ventilation on other organs or body systems to apply that knowledge to the total care of the patient. The student will develop a broader base for understanding the total patient care plan. Emphasis will be placed on hemodynamic monitoring, critical care pharmacology, fluid balance, shock and trauma.

RT 213—Emergency Care (3-0-3)

Prerequisites: RT 211, RT 221

Offered: Winter Quarter

The primary goal of RT 213 is to focus on adult and pediatric pathologic states that may present as an acute life threatening emergency. Emphasis is placed on assessment, rapid recognition, intervention and medical management. By the completion of this course the student will have the cognitive skills required to implement

assist in implementing appropriate therapeutic procedures in an emergency setting.

RT 222—Applied Respiratory Care III (1-16-4)

Prerequisites: RT 211, RT 221

Offered: Winter Quarter

The primary goal of RT 222 is to provide the student with sufficient opportunities to apply the cognitive, affective and psychomotor skills developed in RT 211, RT 212 and RT 213 to the care of the critically ill patient. The emphasis will be placed on patient monitoring and evaluating the effect of therapeutic procedures on other organs or body systems. The student will begin orientation rotation to the Pediatric and Neonatal ICUs during this course.

RT 206—Perinatal Care (4-2-5)

Prerequisites: RT 212, RT 213, RT 222

Offered: Winter Quarter

The primary goal of RT 206 is to teach the student the cognitive, affective and psychomotor skills necessary to care for the critically ill pediatric patient and neonate. Emphasis will be placed on knowledge of ventilatory support equipment as well as techniques for initiation, assessment, modification and discontinuation of ventilatory support systems. The student will study embryology, assessment of the fetus in utero, complicated pregnancies and deliveries, resuscitation of the newborn and abnormal pathophysiologic states.

RT 223—Applied Respiratory Care IV (0-24-6)

Prerequisites: RT 212, RT 213, RT 222

Offered: Spring Quarter

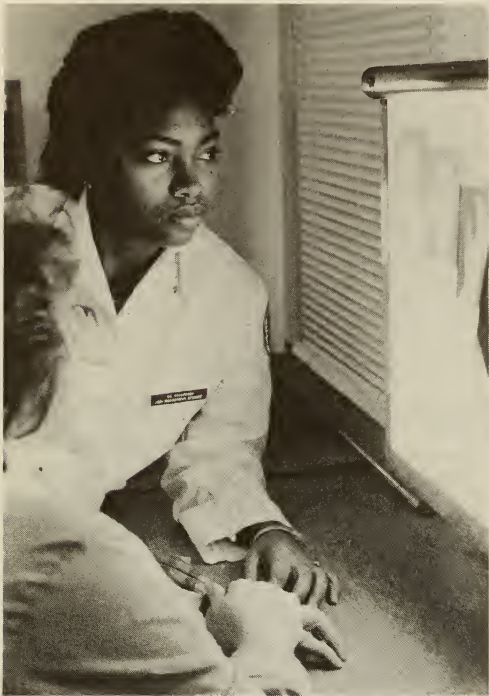
The primary goal of RT 223 is to provide the student with sufficient opportunities to apply cognitive, affective and psychomotor skills in the care of the critically ill neonate and pediatric patient. Emphasis will be placed on care of patients requiring ventilatory support. Students will continue to develop their skills in the adult critical care unit. The student will also be oriented to the care of the chronically ill patient in the home or secondary care facility.

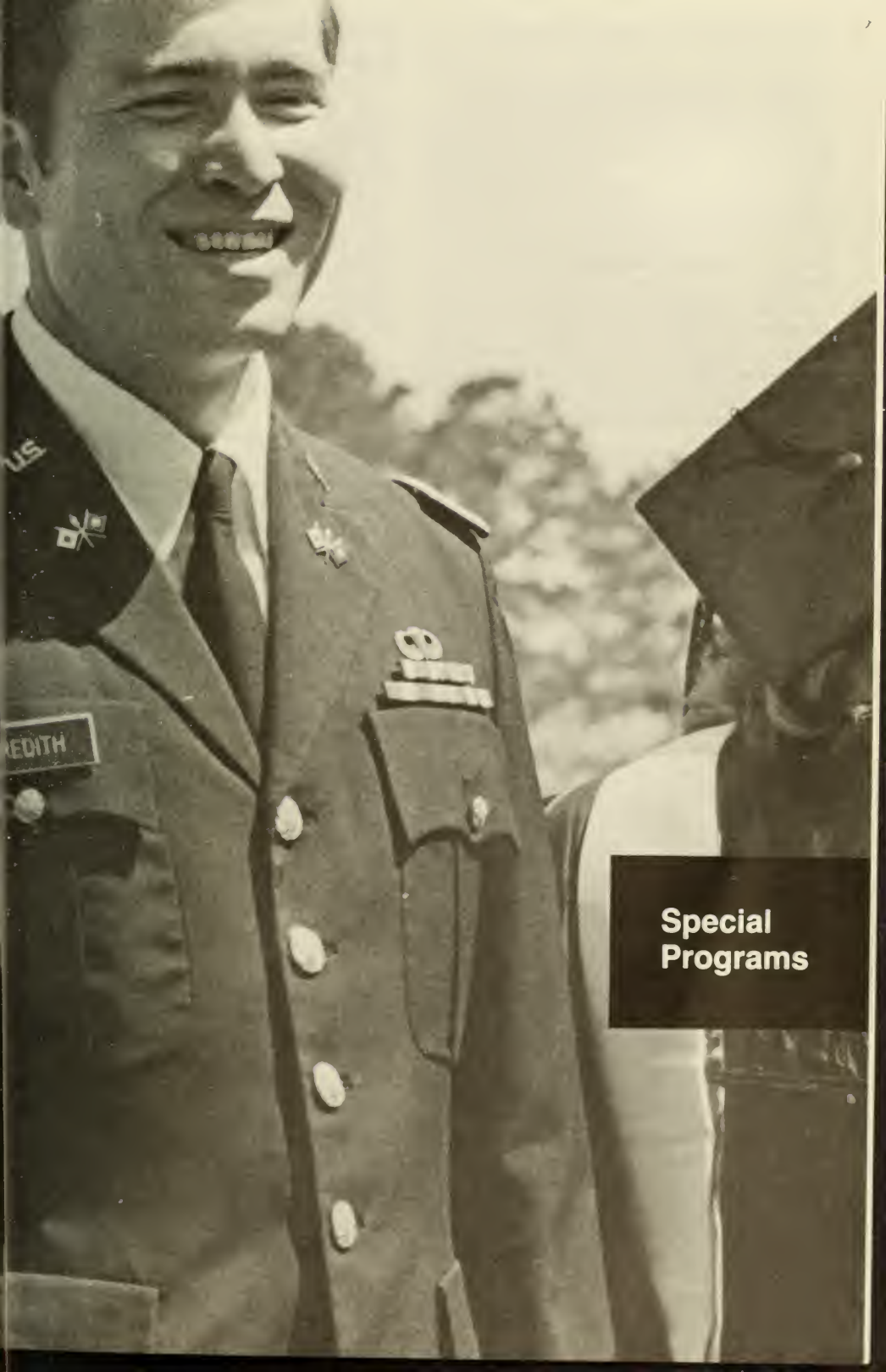
RT 214—Seminar in Respiratory Care (2-0-2)

Prerequisites: RT 212, RT 213, RT 222

Offered: Spring Quarter

The primary goal of RT 214 is to provide an open forum for discussion of contemporary issues facing the profession and the health care delivery system. Topics to be discussed include credentialing, gerontology and the health care needs of the elderly, the shift in focus from primary to secondary care facilities, care of ventilator dependent patients in the home and the impact of DRG's and the prospective payment system on the traditional respiratory care service.





**Special
Programs**

The Freshman Experience

Freshman Orientation Program—ASC 101

In order to assist freshman students in making the transition to college, the college encourages new students to enroll in ASC 101. In addition to the course content, enrolled students will receive special advising and other services. The course is described as follows:

ASC 101—College: Strategies for Success (3-0-3)

This course aims to provide the student with the skills, information, and guidance useful for success in college. It will focus on the purposes of higher education, the roles of the student, and the resources available within the college for academic success and career choices.

Developmental Studies

Faculty

Geoffroy, Cynthia

Harris, Karl

Smith, Carolyn

The Department of Developmental Studies provides a program of compensatory education for students whose academic deficiencies may prevent successful completion of collegiate studies. Students may be placed in departmental courses on the basis of the Collegiate Placement Examination, or Regents Test performances. Regularly admitted students may voluntarily enroll, subject to prerequisites, in any departmental courses. Conditionally admitted students must enroll in accordance with the stipulations of their admission (see the Conditional Admission section of this Catalog) and policies of the Developmental Studies program. (See next section.)

Those entitled to Veterans Administration educational benefits may be certified for no more than 45 credit hours in departmental courses, if these courses are required for regular admission. At most, 15 hours may be certified in each of the English, mathematics, and reading areas.

Policies of the Developmental Studies Program

Every time a Developmental Studies student registers or preregisters until exiting the Developmental Studies Program, he/she must have his/her class schedule approved by a Developmental Studies advisor or the Developmental Studies Counselor.

The student is permitted four attempts to exit a Developmental Studies area. If a student fails to exit an area after the fourth attempt, he/she will be subject to Developmental Studies suspension.

A complete list of Developmental Studies Program Policies is available in the Department of Developmental Studies.

OFFERINGS

DSE 098—Grammar Review (5-0-5)

Fall, Winter, Spring, Summer.

This course is for the student who needs to review grammar fundamentals, to improve sentence writing skills, and to develop paragraph writing. The student works toward competence in sentence construction, verb use, determination of subject-verb agreement, formation of possessives, punctuation, and other basics. Along with reviewing grammar, the student engages in extensive writing practice, including sentence building, sentence combining, and paragraph writing.

DSE 099—Basic Composition (5-0-5)

Prerequisite: See Developmental Studies Policies above.

Fall, Winter, Spring, Summer.

This course is for the student who has already mastered the basic skills of composition but who needs additional practice in developing the writing process. It will help the student construct more mature and sophisticated sentence patterns, create coherent and well developed paragraphs, and organize paragraphs into essays.

DSM 098—Introductory Algebra (5-0-5)

Fall, Winter, Spring, Summer.

This course offers a review of arithmetic integrated into an introductory algebra course. Topics include negative integers, simple polynomials, integer exponents, equations, word problems, factoring, some graphing, and similar radicals.

SM 099—Intermediate Algebra (5-0-5)

Fall, Winter, Spring, Summer.

Prerequisite: See Developmental Studies Policies above.

Topics include rational expressions, factoring polynomials, linear and quadratic equations, graphs of linear functions, rational exponents, and radicals.

SR 098—Reading Skills (5-0-5)

Fall, Winter, Spring, Summer.

This course is appropriate for students experiencing difficulty in reading. Word attack skills, comprehension skills, and vocabulary building are stressed.

SR 025—Developing Reading Maturity (0-5)

Fall, Winter, Spring, Summer.

This course is appropriate for students preparing for the Regents. Examination, for students undergoing remediation due to unsuccessful performance on the reading portion of the Regents Examination, and for students experiencing moderate difficulty in reading. Comprehension skills, vocabulary enrichment, test-taking strategies, and reading strategy are stressed.

SS 099—Effective Study Techniques (2-2)

Offered on demand.

The purpose of this course is development of systematic and efficient study habits for academic success. Special emphasis will be placed on time management listening skills, memory techniques, reading flexibility, note-taking systems, textbook mastery, and test-taking strategies.

Military Science**Faculty**

McManus, William, Captain, Department Head
 McMerrell, Keith, Captain

McAdams, George, Master Sergeant

The Army Department of Military Science is a Senior Division Reserve Officer Training Corps (ROTC), Instructor Group, staffed by active Army personnel. The department provides a curriculum available to Armstrong State and Savannah State students that qualifies the college graduate for a commission as an officer in the

United States Army, United States Army Reserve, or the United States National Guard. Qualifying for a commission adds an extra dimension to the student's employment capability in that, upon graduation from the college, the student has either military or civilian employment options.

The course of study offered in military science is designed not only to prepare both the student for service as a commissioned officer in the United States Army but also to provide knowledge and practical experience in leadership and management that will be useful in any facet of society. Male and female students are eligible for enrollment. Each student is provided with a working knowledge of the organization and functioning of the Department of Defense and the role of the U.S. Army in national security and world affairs.

The course of study pursued by students during their freshman and sophomore years is the basic military science course and/or related skill activities. The course of study normally pursued by students during their junior and senior years is the advanced military science course.

For selection and retention in the advanced course, a student must be physically qualified, should have maintained above average military and academic standing, and must demonstrate a potential for further leadership development.

Graduates of the advanced course are commissioned second lieutenants in the United States Army Reserve in the branch of service most appropriate to their interests and academic achievements, consistent with the needs of the Army. Regardless of the Branch selected, all officers will receive valuable experience in management, logistics and administration. Graduates may be granted a delay in reporting for duty for graduate study, if requested. A small number of outstanding students are designated Distinguished Military Graduates and are offered commissions in the Regular Army each year.

Basic Military Science

Basic military science courses involve six quarters during the freshman and sophomore years. The student learns leadership and management and acquires essential background knowledge of customs and traditions, weapons, map reading, tactics and survival. Equally important, these courses have the objective of developing the student's self-discipline, integrity and sense of responsibility.

Advanced Military Science

The general objective of this course of instruction is to produce junior officers who by education, training, attitude and inherent qualities are suitable for continued development as officers in the Army. There are two avenues available for the student to be eligible for entry into the advanced program and obtain a commission as a second lieutenant.

(a) satisfactory completion of, or placement credit for, the basic program at Armstrong State or at any other school, college or university offering basic ROTC and meeting the entrance and retention requirements established by the Army.

(b) to be an active duty veteran or junior ROTC cadet graduate eligible for placement credit.

Placement

Veterans entering the military science programs will receive appropriate placement credit for their active military service. Students who have completed military science courses in military preparatory schools or junior colleges may be given appropriate credit. Students with at least three years of high school ROTC may also be granted placement credit. Placement credit or six quarters of basic military science, or the equivalent thereof, is a prerequisite to admission into the advanced program.

Alternate Programs for Admittance

Students with two years of coursework remaining, but who have not completed basic military science, are eligible to be considered for selection into the advanced military science program. Those selected under the provisions of the two-year advanced program must satisfactorily complete a basic summer camp of six weeks duration prior to entering the advanced program. Students attending the basic camp at Fort Knox, Kentucky, are paid at active army rates and given a travel allowance from their home to camp and return. Attendance at Basic Camp is voluntary and incurs no military obligation until the student returns and decides to sign a contract to pursue his commission.

Participating Students and Aliens

Some students and aliens may participate in the Advanced Course classes provided they meet the requirements outlined in Army Regulations. They receive no subsistence allowance and may only participate in classroom instruc-

tion. For specific details on this program, see the Department Head **before** registering for the course.

Advanced Summer Camp

Students contracting to pursue the advanced courses are required to attend advanced summer camp, normally between their junior and senior academic years at Fort Riley, Kansas. Students attending this camp are paid at active army rates and given travel allowance from their home to camp and return.

Financial Assistance

All contracted advanced cadets are paid a subsistence allowance of \$100 per month while enrolled in the advanced course.

Scholarship Program

Each year the U.S. Army awards two- and three-year scholarships to outstanding young men and women participating in the Army ROTC program who desire careers as Army officers. The Army pays tuition, fees, books and laboratory expenses incurred by the scholarship student. In addition, each student receives \$100 per month for the academic year. Individuals desiring to compete for these scholarships should apply to the Military Science Department.

Army ROTC Uniforms, Books and Supplies

Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, books and supplies by the Military Science Department. Fees or deposits of any kind will be required. Uniforms must be returned before commissioning or upon disenrollment from the ROTC program.

MIL Courses

The basic course of six quarters duration consists of two hours of classroom work per week. In the classroom, the student acquires knowledge of military leadership, weapons, tactical basic military skills, and physical fitness. In field training exercises, potential for leadership progressively developed.

The advanced course consists of three hours of classroom work and one hour of leadership laboratory per week. During the spring quarter prior to advanced camp the student will enroll in MIL 303 to prepare for attendance at Advanced Camp. HIS 357 (American Military History) is normally taken spring quarter of the senior year. The coursework during the advanced course emphasizes techniques and

management and leadership and the fundamentals and dynamics of the military team. Field training exercises provide the student with applied leadership experiences.

Minor Concentration

The department offers a minor in Military Science. The program is designed to prepare the student for a commission in the United States Army and is offered to, but not required of, those students participating in the advanced course Army ROTC instruction. Whatever the major, Military Science minor will strengthen the student's management, leadership, and interpersonal communication skills. The minor requires: Fourteen credit hours with grades of "C" or better in the following upper division military science courses: 301, 302, 303, 401, 402; HIS 357 and five additional credit hours of coursework approved by the Department Head.

Offerings

IL 101—Army Leadership (1-1-2)

A study of the various aspects of leadership doctrine and how to apply the doctrine in various situations.

IL 102—Basic Weapons (1-1-2)

A study of characteristics of basic military weapons with emphasis on the principles and fundamentals of rifle marksmanship. The students will have an opportunity to fire selected weapons at a U.S. Army installation.

IL 103—Basic Survival (2-0-2)

A study and practical exercise introducing military techniques used to sustain human life when separated from logistical support. A field trip for qualified students is used to enable them practice techniques learned.

IL 201—Map Reading and Land Navigation (1-1-2)

Prerequisite: MIL 101, 102, 103, or approval of Department Head.

A study of basic map reading as applied by a small unit leader.

IL 202—Basic Tactics and Operations (1-1-2)

Prerequisite: MIL 101, 102, 103, 201, or approval of Department Head.

A study of small unit tactics, operations and troop leading procedures to include the combined arms teams to the platoon with primary interest on the rifle squad.

MIL 203—Mountaineering Techniques (2-0-2)

Prerequisites: MIL 101, 103, 201, 202, or approval of Department Head.

A study and practical exercise introducing the fundamentals of rappelling, first aid, knot tying, and safety. A field trip to utilize skills is included. Acceptable as a P.E. requirement.

MIL 206—Basic Self-Defense I (0-2-1)

Prerequisites: MIL 103 or 203, or approval of Department Head.

A basic self-defense course which provides a study of defensive philosophy, vulnerable areas of the body, exercises, kicks, strikes, throws, and arm bars. The course also includes basic self-defense strategy and practical exercises utilizing all of the techniques taught in the course. Acceptable as P.E. requirement.

MIL 301—Leadership and Management I (3-1-3)

Prerequisites: Basic Course or equivalent and approval of Department Head. Participating and alien students who qualify must have the approval of the Department Head and the U.S. Army ROTC Cadet Command.

A study of the psychology of leadership, techniques of management, and methods of instruction to include practical application.

MIL 302—Fundamentals and Dynamics of the Military Team I (3-1-3)

Prerequisites: Basic Course or equivalent and approval of Department Head. Participating and alien students who qualify must have the approval of the Department Head and the U.S. Army ROTC Cadet Command.

A study of tactics applied at the platoon and company level to include a study of the modern battlefield and current military tactical doctrine.

MIL 303—Leadership Seminar (3-1-3)

Prerequisite: MIL 301, 302.

A series of seminars, laboratories and experiences to prepare the student for Advanced Summer Camp.

MIL 304—Military Skills Practicum (V-V-5)

Summer. Prerequisite: Military 303 and permission of Department.

The study and practical application of military skills and leadership ability during a six week encampment experience. Grading for this course will be done on a satisfactory, unsatisfactory basis. Instruction and evaluation is jointly accomplished by college staff and selected ROTC personnel assigned to 3rd Region.

MIL 401—Fundamentals and Dynamics of the Military Team II (3-1-3)

Prerequisite: MIL 301, 302.

A study of command and staff duties and responsibilities of the professional officer to include operations, intelligence, administration and logistics.

MIL 402—Leadership and Management (3-1-3)

Prerequisite: MIL 301, 302.

A study of the military justice system and service orientation.

Naval ROTC Program

Faculty

Cdr. Edward Clark Jr., USN, Department Head
LtCol Ronald L. Taylor, USMC
CAPT Eddie Bickham, USMC
LT Tracy Adams, USN
LT Jerry A. Dalo, USN
LT Cranford R. Coleman, USN
LTJG Leonard Williams, USN
NCCS Archie L. Sanders, USN
YNC(SS) Donald W. Sugg, USN
SKC Stephen A. Floyd, USN
GYSGT Willie G. Medley, USMC

General

Naval Reserve Officer's Training Corps (NROTC) prepares students for commissioned service as regular or reserve officers in the Navy or Marine Corps.

Students enrolled in NROTC are referred to as Midshipmen (MIDN) or as Naval Science Students (NSS) and are classified based on Naval Science academic status as follows:

ASC Student	NROTC Midshipmen
Senior.....	1/C (First Class)
Junior.....	2/C (Second Class)
Sophomore.....	3/C (Third Class)
Freshman.....	4/C (Fourth Class)

Naval Science Curriculum

Basic Program

ALL MIDSHIPMEN

	Hours
A. Naval Science.....	18
NSC 101-102, 104.....	8
NSC 203, 204.....	10

Advanced Program

B. Navy Option	
Naval Science.....	20
NSC 301-302, 304-305-306.....	18
NSC 401-402-403-404-405.....	8
C. Marine Corps Option	
Naval Science.....	12
NSC 307-308-309.....	6
NSC 406-407.....	6
D. Additional Requirements	
NSC 450 Naval Drill (0-2-0), required each academic term by all midshipmen. NSC 301, 302, and 450 satisfies 3 quarters (18 hours) of Physical Education requirements	
E. Navy Scholarship Midshipmen	
(1) Requirements.....	5
Math 206-207-208 (to be completed by the end of Sophomore Year).....	1
Physics 217-218-219 (to be completed by the end of Junior Year).....	1
Computer Science 136 or 142 or 246.....	
Must complete 2 quarters from the following list of courses:.....	1
HIS 251 or HIS 252 and HIS 357 POS 113 and PSC 201 (SSC)	
Must complete one academic term in a major Indo-European or Asian Language prior to commissioning.....	
(2) Navy Option in a non-technical curriculum shall complete a sufficient number of technical electives from the below list to comprise 50 percent of all electives not required by the academic major of the NROTC Program. Calculus and Physics courses count towards satisfying this requirement:	
Business (SSC): BAD 331, 332, 416	
Chemistry: any listed course	
Math, Physics, Physical Science: any listed courses except Math 290, 390 and 393.	

Computer Science: CS 130, 142, 246
 Engineering Courses: Any listed
 course except EGR 100, 170, 171

Navy College Program Midshipmen (non-scholarship). Must complete 1 year of Math, college algebra or higher, by the end of the Junior Year and 1 year Physical Science by the end of the Senior Year as a prerequisite for commissioning. The Physical Science requirement can be met by completing a one-year sequence, or two courses, in any area of physical science. One Mathematics course may be selected from the fields of computer science or statistics.

Marine Corps Option. All students shall take, during the Junior or Senior year, HIS 357 and SC 201 (SSC). (Courses must be approved by the Marine Corps Officer Instructor and should not create an academic overload (increase time required for degree completion/commissioning) and/or require student to carry more than 18 hours).

Comprehensive Examination/Competency Measurement Exam (CME)

The CME Program consists of one cumulative comprehensive exam. The exam is administered to MIDN each Fall Quarter. Successful completion of the CME is required.

NROTC Uniforms, Books, and Instructional Materials

Will be issued at no cost to Naval Science students. Uniforms must be returned before commissioning or upon disenrollment from the NROTC Program; books and other instructional materials must be returned at the end of each academic term.

Scholarship Program

Two and three-and-a-half year scholarships that pay tuition, fees, books and laboratory expenses, in addition, scholarship midshipmen also receive a \$100 per month tax free stipend during the academic year.

Financial Assistance

All midshipmen in the advanced NROTC Program (Junior and Senior Years) are paid a \$100 per month tax free subsistence allowance (same as \$100 per month stipend for scholarship midshipmen).

Summer Training Cruises

All scholarship midshipmen will go on Summer Training Cruises each year. While on sum-

mer training, midshipmen will be paid active duty Navy rates and will be provided travel, room and board at government expense.

4 and 2-Year NROTC Programs

4-year program students enroll in the program as Freshmen and participate until graduation.

2-year program students enter the program after they complete approximately 90 hours (end of Sophomore year) and complete a six-week professional, academic, and physical training program conducted each summer by the Navy, normally in Newport, RI and referred to as Naval Science Institute (NSI). Academic work at the Naval Science Institute is the equivalent of the NROTC basic course and 18 hours of credit will be given to students who successfully complete NSI.

Naval Science Offerings

NSC 101—Introduction to Naval Science I (1-0-1)

Fall, Spring.

Introduce midshipmen to NROTC Program mission, organization, regulations, and broad warfare components of the Naval Service. Included is an overview of officer and enlisted rank and rating structure, training and education, promotion and advancement, and retirement policies. The course also covers the basic tenets of Naval courtesy and customs, and Naval Leadership.

NSC 102—Introduction to Naval Science II (2-0-2)

Winter.

A study of the organization of the Naval Service, career opportunities, and the duties of a Junior Officer in the Naval Service. Students are familiarized with the major challenges facing today's Naval Officer, especially in the areas of leadership and human resource management.

NSC 104—Naval Ships Systems I (Engineering) (5-0-5)

Spring.

A detailed study of ship characteristics and types including ship design, hydrodynamic forces, stability, compartmentation, propulsion, electrical and auxiliary systems, interior communications, ship control, and damage control. Included are basic concepts of the theory and design of steam, gas turbine, and nuclear propulsion. Shipboard safety and firefighting are also covered.

NSC 203—Seapower and Maritime Affairs (5-0-5)

Fall.

A survey of American Naval and Maritime history from the American Revolution to the present with emphasis on major developments. Attention will be focused on Mahan's geopolitical theory; the economic and maritime forces; U.S. military and maritime strategy; and a comparative analysis of American and Soviet maritime strategies. This course may be taught as a two quarter course: NSC 201 (2-0-2) and NSC 202 (3-0-3).

NSC 204—Naval Ship Systems II. Weapons (5-0-5)

Winter.

This course outlines the theory and employment of weapons systems. Students explore the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and Naval ordinance. Fire control systems and major weapons types are discussed, including capabilities and limitations. The facets of command, control, and communications are explored as a means of weapons system integration.

NSC 301—Basic Sailing I (Classroom) (1-1-1)

Fall, Winter. Prerequisite: Student must be a certified third class swimmer. (PE Credit)

A basic foundation course that provides students with the fundamental knowledge and skills to be a competent crew member. The course covers the basic theory of sailing, nomenclature, seamanship, boat equipment and safety, and inland waters navigation rules for sailing craft. An "A" crew qualification can be issued upon completion.

NSC 302—Intermediate Sailing (On-water) (1-3-2)

Spring. Prerequisites: NSC 301.(PE Credit)

Basic on-hands sail training leading to qualification as "B" skipper. Practical skills to be mastered consist of rigging and sailing from a pier; sail to weather; sail two figure eight courses with two tacks and two jibes; man overboard maneuver; a capsize; and return to dock and secure.

NSC 304-305—Navigation I & II (3-2-5)

Fall, Winter sequences. NSC 304 is prerequisite for NSC 305.

An in-depth study of piloting and celestial navigation theory, principles, and procedures. Stu-

dents learn piloting navigation: the use of charts visual and electronic aids and the theory and operation of magnetic gyro compasses. Celestial navigation is covered in-depth including the celestial coordinate system, and introduction to spherical trigonometry, the theory and operation of the sextant. Students develop practical skills in both piloting and celestial navigation. Other topics discussed include tides, currents, effect of wind and weather, plotting, use of navigation instruments, types and characteristics of electronic navigation systems.

NSC 306 Naval Operations (5-0-5)

Spring. Prerequisites: NSC 304 and 305.

A study of the international and inland rules of the nautical road, relative-motion vector-analysis theory, relative motion problems, formation tactics, and ship employment. Also included is an introduction to Naval Operations and aspects of ship handling, and afloat Naval communications.

NSC 307-308—Evolution of Warfare I & II (3-0-3)

Fall, Winter.

This course historically traces the development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategists, tacticians, and technological developments. Students acquire a basic sense of strategy, develop an understanding of military alternatives, and become aware of the impact of historical precedent on military thought and actions.

NSC 309—Marine Corps Laboratory (0-3-0)

Spring.

A course for Marine Corps Option students which stresses the development of leadership, moral, and physical qualifications necessary for service as Marine Corps officers. Practical laboratory exercises in mission and organization, the Marine Corps, duties of interior guards, introduction to military tactics, troop leadership procedures, rifle squad weapons and theory, physical conditioning program. This course serves to prepare students for the Marine Corps Summer Training at Officer Candidate School (BULLDOG).

NSC 401-403—Naval Operations Laboratory I, II, III (0-1-0)

Fall, Winter, and Spring sequence.

Practical laboratory exercises conducted in a dynamic, composite and time oriented fleet environment to further develop and improve surface warfare skills for Navy Option midshipmen.

**NSC 404—Leadership and Management I
(3-0-5)**

Fall.

A comprehensive study of the principles and concepts of Institutional Management, Organizational and Human Behavior, and effective leadership. Students will develop additional knowledge and practical skills in the areas of communication theory and practices; Human Resources Management; Stress Management; Counseling; Group Dynamics; and the nature and dynamics of individual and institutional change, human resistance to change and the strategy for implementing change.

**NSC 405—Leadership and Management II
(3-0-3)**

A study of the Management responsibilities of a junior Naval Officer. The course covers counseling methods, military justice administration, naval human resources management, directives and correspondence, naval personnel, administration, material management and maintenance, and supply systems. This course builds on and integrates the professional competencies developed in prior course work and professional training.

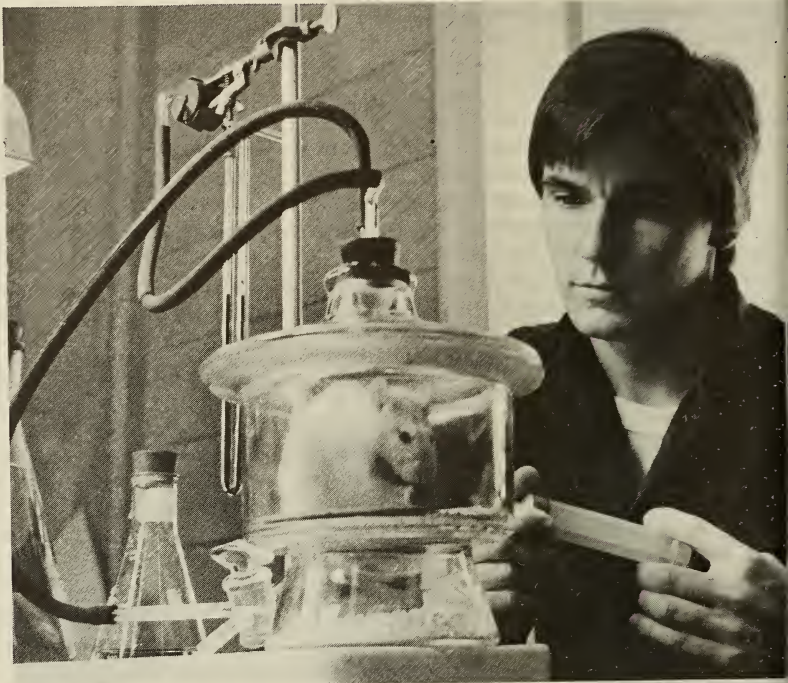
**NSC 406-407—Amphibious Warfare I & II
(3-0-3)**

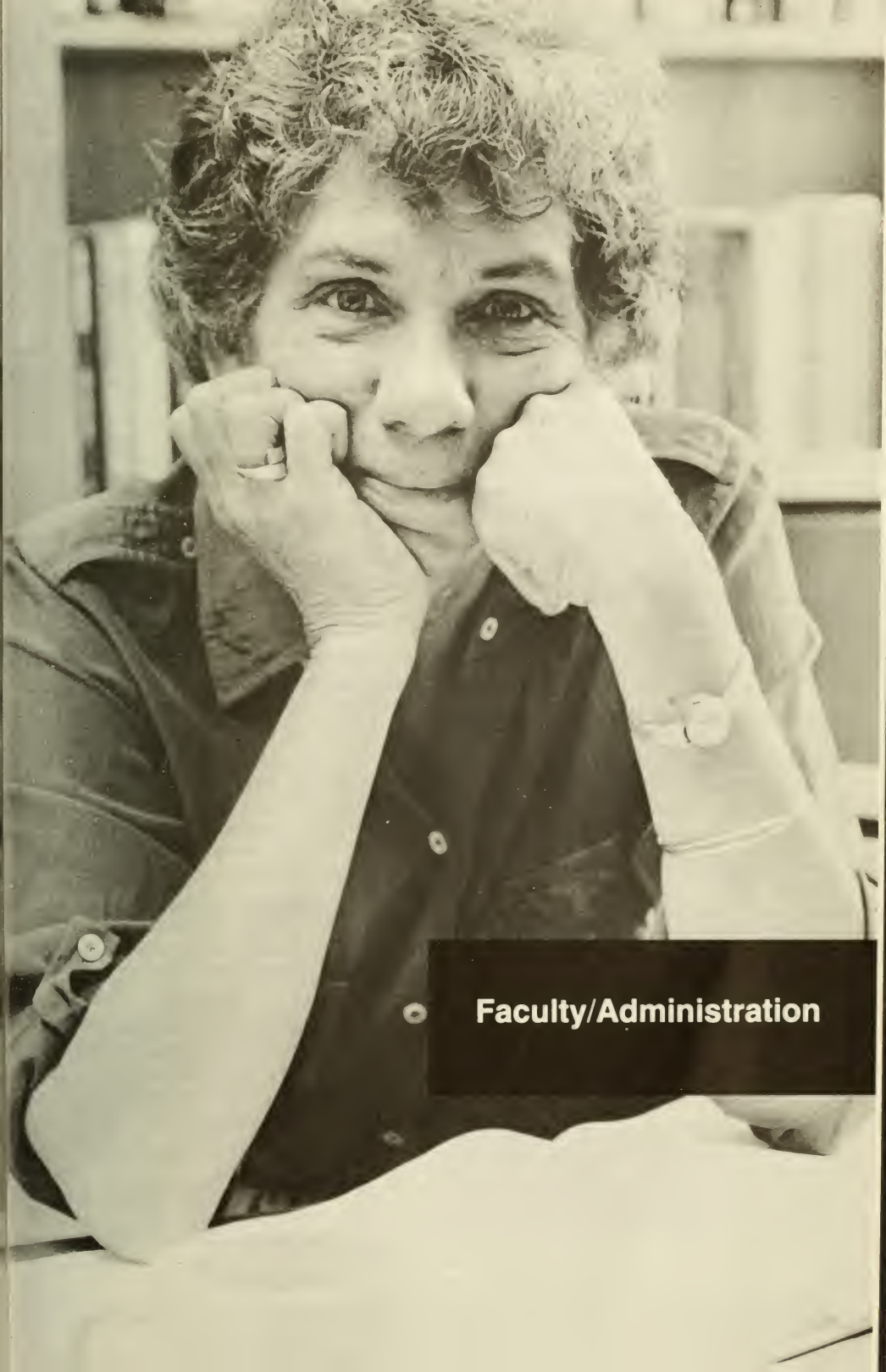
Fall, Winter.

A historical survey of the development of amphibious doctrine and the conduct of amphibious operations. Emphasis is placed on the evolution of amphibious warfare in the 20th century, especially during World War II. Present day potential and limitations on amphibious operations, including the rapid deployment force concept.

NSC 450. Naval Drill (0-2-0)

Introduces students to basic military formations, movements, commands, courtesies and honors, and provides practice in Unit leadership and management. Physical conditioning and training are provided to ensure students meet Navy/Marine Corps physical fitness standards. Successful completion of three quarters of this course by NROTC students satisfies this College's six hour Physical Education requirement. NSC 450 is required each quarter for all NROTC students (450.1 for Freshman and Sophomore; 450.2 for Junior and Seniors).





Faculty/Administration

FACULTY ROSTERS

Permanent, Full-Time Members of the Teaching Corps or Administrative Staff

(This list includes only individuals who have faculty voting privileges. The number in parentheses after the names represents the initial year of employment at Armstrong State College.)

Adams, Joseph V. (1970)

Dean of Arts, Sciences and Education
Professor of Psychology
Ph.D., University of Alabama
M.A., Baylor University
B.A., Tennessee Temple College

Aenchbacher, Louis E., III (1980)

Assistant Professor of Physical Education
M.Ed., University of Georgia
B.S., Armstrong State College

***Agyekum, Stephen K. (1979)**

Professor of Education
Ed.D., University of Georgia
M.A., University of Georgia
A.B., Johnson C. Smith University

Anderson, Donald D. (1966)

Registrar & Director of Admissions
Associate Professor of Education
Ed.D., Auburn University
M.A., George Peabody College
B.S., Georgia Southern College

Anderson, James N. (1985)

Head of Fine Arts Department
Associate Professor of Music
Ph.D., University of Texas at Austin
M.M., University of Houston
B.M.E., Wichita State University

Andrews, Carol M. (1988)

Assistant Professor of English
Ph.D., Vanderbilt University
M.A., Vanderbilt University
B.A., Furman University

***Arens, Olavi (1974)**

Professor of History
Ph.D., Columbia University
M.A., Columbia University
A.B., Harvard University

***Babits, Lawrence E. (1981)**

Associate Professor of History and Archaeology
Ph.D., Brown University
M.A., University of Maryland
B.A., University of Maryland

Baker, Julia G. (1987)

Assistant Professor of Chemistry
Ph.D., University of South Carolina
B.S., Furman University

Ball, Ardella P. (1968)

Assistant Professor of Library Science
M.S., Atlanta University
A.B., Fisk University

Barnard, Jane T. (1980)

Assistant Professor of Mathematics and Computer Science
M.S., Georgia Southern College
B.S., Georgia Southern College

***Battiste, Bettye A. (1980)**

Assistant Professor of Education
Ed.D., University of Florida
M.Ed., State University of New York
B.S., Savannah State College

Bell, Dorothy G. (1969)

Assistant Professor of Nursing
M.N., Emory University
B.S.N.Ed., University of Georgia

***Bell, Eunice A. (1988)**

Associate Professor of Nursing
Ph.D., Michigan State University
M.S.N., Vanderbilt, University
B.S.N., Vanderbilt, University

***Beumer, Ronald J. (1975)**

Associate Professor of Biology
Ph.D., University of Arkansas
B.S., University of Dayton

Bowers, Ross L., III (1979)

Head of Respiratory Therapy Department
Assistant Professor of Respiratory Therapy
B.S., Georgia State College
MHS, Armstrong State College

Brewer, John G. 1968)

Director of Athletics
Professor of Chemistry
Ph.D., University of Georgia
M.S., University of Georgia
B.S., University of Georgia

Brooks, S. Kent (1976)

Professor of English
 Ph.D., George Washington University
 M.Ph., George Washington University
 M.A., University of Texas
 B.A., University of Texas

Brower, Moonyean S. (1967)

Associate Professor of Biology
 M.A., University of Massachusetts
 B.S., University of Massachusetts

Brown, George E. (1972)

Assistant Professor of Criminal Justice
 M.S.S.W., Atlanta University
 B.S.W., Armstrong State College
 A.B., Armstrong State College

Brown, Hugh R. (1968)

Professor of English
 Ph.D., University of South Carolina
 M.A.T., St. Michael's College
 B.S., Xavier of Ohio

Brown, Sarah (1989)

Assistant Professor of History and Historic Preservation
 M.Phil., George Washington University
 M.A., George Washington University
 B.A., Arkansas College

Buck, Joseph A., III (1968)

Vice President for Student Affairs and Development
 Ed.D., University of Georgia
 M.S., Florida State University
 B.A., Auburn University

Buck, Marilyn M. (1974)

Head of Baccalaureate Nursing Department
 Associate Professor of Nursing
 Ed.D., University of South Carolina
 M.S.N., Medical College of Georgia
 B.S.N., Boston University

Burgess, Clifford V. (1979)

Professor of Education
 Ed.D., Auburn University
 M.A., George Peabody
 A.B., Mercer University

Burnett, Robert A. (1978)

President
 Professor of History
 Ph.D., University of North Carolina
 M.A., University of North Carolina
 B.A., Wofford College

Butler, Frank A. (1985)

Vice President and Dean of Faculty
 Professor of Physics
 Ph.D., Rensselaer Polytechnic
 B.S.E.S., University of Miami

Campbell, Michael (1984)

Assistant Professor of Music
 D.A., Ball State University
 M.A., Trenton State College
 B.S., Lebanon Valley College

Carpenter, Suzanne (1988)

Instructor of Chemistry
 M.S., University of North Carolina
 B.S., Auburn University
 A.A., Lake-Sumter Junior College

Cochran, John H., Jr. (1979)

Associate Professor of Education
 Ed.D., University of Georgia
 M.A., Atlanta University
 B.A., Paine College

Comaskey, Bernard J. (1966)

Assistant Professor of History
 M.A., New York University
 B.A., Fordham College

Connor, Sara E. (1980)

Assistant Professor of Nursing
 Ed.D., University of Georgia
 M.S.N., Medical College of Georgia
 B.S.N., Medical College of Georgia

Conway, Marian (1987)

Assistant Professor of Nursing
 M.S.N., Georgia College
 B.S.N., Medical College of Georgia

Cooksey, Thomas L. (1987)

Assistant Professor of English and Philosophy
 Ph.D., University of Oregon
 M.A., California Polytechnic State University
 B.A., University of California

Coursey, Teresa (1971)

Assistant Professor of Dental Hygiene
 M.H.S., Armstrong State College
 B.S., West Liberty State College

***Dandy, Evelyn B. (1974)**

Associate Professor of Education
 Ph.D., University of South Carolina
 M.Ed., Temple University
 B.S., Millersville State College

Dennis, Everett J. (1987)

Director of Library Services
 Assistant Professor of Library Science
 M.S.L.S., The Catholic University of America
 M.A., The American University
 B.A., The University of the South

Douglass, W. Keith (1970)

Professor of Psychology
 Ph.D., Syracuse University
 M.A., Syracuse University
 B.A., Franklin & Marshall College

***Duncan, John D. (1965)**

Professor of History
 Ph.D., Emory University
 M.A., University of South Carolina
 B.S., College of Charleston

Dutko, Kathleen (1978)

Assistant Professor of Nursing
 M.A., New York University
 B.S.N., Niagara University

***Ealy, Steven D. (1982)**

Associate Professor of Political Science
 Ph.D., University of Georgia
 M.A., Claremont Graduate School
 B.A., Furman University

Echegoyen, Regina N. (1988)

Assistant Professor of Spanish
 M.A., University of Wisconsin
 B.A., Universidad de Puerto Rico

Edenfield, Suzanne (1983)

Assistant Professor of Dental Hygiene
 M.H.S., Armstrong State College
 B.S., Armstrong State College

Findeis, John (1968)

Assistant Professor of Mathematics
 M.S., University of Illinois
 B.S., University of Illinois

Fleming, Caroline (1977)

Assistant Professor of Dental Hygiene
 M.H.S., Armstrong State College
 B.S., Armstrong State College
 A.S., Midland Technical College

Ford, Elizabeth J. (1976)

Assistant Professor of Physical Education
 M.Ed., Georgia Southern College
 B.S., Winthrop College

***Galloway, Herbert F. (1982)**

Associate Professor of Education
 Ed.D., University of Georgia
 M.Ed., University of Georgia
 M.M., Florida State University
 B.M., Florida State University

Geoffroy, Cynthia D. (1978)

Assistant Professor of Mathematics
 M.S., University of South Carolina
 B.A., Westfield State College

Gibson, Sharyn (1983)

Director of Radiologic Technologies Program
 Assistant Professor of Radiologic Technologies
 M.H.S., Armstrong State College
 B.S., St. Joseph's College
 A.A., Armstrong State College

***Gross, Jimmie (1967)**

Professor of History
 Ph.D., University of Georgia
 M.A., Auburn University
 B.D., Southern Theological
 B.A., Baylor University

Guillou, Laurent J., Jr. (1970)

Associate Professor of Biology
 Ph.D., Louisiana State University
 M.S., Louisiana State University
 B.S., Louisiana State University

***Hansen, John R. (1967)**

Professor of Mathematics
 Ed.D., University of Georgia
 M.Ed., University of Georgia
 B.S., Troy State College

Harbin, Mickie S. (1981)

Associate Professor Mathematics and Computer Science
 Ph.D., University of Texas (Arlington)
 M.A., University of Texas (Arlington)
 B.A., University of Texas (Arlington)

Hardegree, Lester E., Jr. (1982)

Director of Medical Technology Program
 Assistant Professor of Medical Technology
 M.Ed., Georgia State University
 B.S., Medical College of Georgia
 B.S., University of Georgia

Harris, Henry E. (1966)

Head of Chemistry and Physics Department
 Professor of Chemistry
 Ph.D., Georgia Institute of Technology
 B.S., Georgia Institute of Technology

Jarris, Karl D. (1971)

Assistant Professor of English
M.A., University of Tennessee
B.A., Carson-Newman College

Jarris, Robert L. (1981)

Associate Professor of Music
D.M.A., University of Washington
M.M., University of the Pacific
B.M., University of the Pacific

Jart, Marcella (1986)

Assistant Professor of Nursing
M.N., University of Washington
B.S.N., St. John College

Jarwood, Pamela L. (1985)

Assistant Professor of Education
Ed.D., Auburn University
M.A., Appalachian State University
B.S., Appalachian State University

Jauer, Barbara P. (1986)

Instructor of Library Science
M.L.S., Rutgers University
B.A., Vassar College

Jepkinson, Caroline (1989)

Instructor of Library Science
M.L.I.S., University of Wisconsin
B.A., University of Wisconsin

Judson, Anne L. (1971)

Professor of Mathematics and Computer Science
Ph.D., Tulane University
M.S., Tulane University
B.A., Hollins College

Judson, Sigmund (1985)

Professor of Mathematics and Computer Science
Ph.D., Tulane University
M.S., Clarkson University
A.B., Dartmouth College

Jynes, Michael L. (1976)

Assistant Professor of Physics
M.S., University of North Carolina
B.A., Appalachian State University

Junkins, Marvin V. (1968)

Assistant Professor of English
M.A., University of Georgia
B.S., University of Georgia

Jensen, John G. (1985)

Assistant Professor of Art
M.F.A., University of Arizona
B.S., University of Wisconsin

Jensen, Linda G. (1985)

Assistant Professor of Art
M.F.A., Memphis State University
B.A.E., University of Mississippi

John, Beverly M. (1988)

Assistant Professor of Sociology
M.S.W., Atlanta University
B.S., Benedict College

Johnson, Robert D. (1986)

Assistant Professor of Chemistry
Ph.D., University of South Carolina
B.A., University of Oregon

Jones, Gerald A. (1984)

Assistant Professor of Engineering and Physics
Director of Engineering Studies
Ph.D., Mississippi State University
M.S., Mississippi State University
B.S., Mississippi State University

Kearnes, John (1988)

Assistant Professor of Political Science
Ph.D., University of Utah
M.A., Andrews University
B.A., Union College

Keller, Carola (1970)

Assistant Professor of Nursing
M.S.N., Medical College of Georgia
B.S.N., University of Virginia

***Kilhefner, Dale Z. (1973)**

Professor of Mathematics and Computer Science
Ph.D., Pennsylvania State University
M.S., Purdue University
M.Ed., Washington State University
B.S., Elizabethtown College

Knorr, Virginia W. (1973)

Assistant Professor of Physical Education
M.S., University of Tennessee
(Chattanooga)
B.S., University of Tennessee
(Chattanooga)

Lane, Joseph M., Jr. (1970)

Professor of Psychology
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M.S., University of Georgia
B.S., University of Georgia

Lanier, Osmos, Jr. (1965)

Professor of History
Ph.D., University of Georgia
M.A., Auburn University
B.A., LaGrange College

Lariscy, Michael L. (1976)

Assistant Professor of Physical Education
M.Ed., Georgia Southern College
B.S., Armstrong State College

Lee, Byung Moo (1981)

Assistant Professor of Library Science
M.L.S., University of Wisconsin
B.A., University of Wisconsin
B.A., Yon Sei University

Levett, Nettie M. (1975)

Assistant Professor of Nursing
M.S.N., Medical College of Georgia
B.S.N., Florida A & M University

***Magnus, Robert E. (1972)**

Director of Administrative Computing
Professor of Criminal Justice
Ed.D., Mississippi State University
M.Ed., Mississippi State University
B.G.E., University of Omaha

Martin, Grace B. (1980)

Head of Psychology Department
Director of General Studies Program
Associate Professor of Psychology
Ph.D., Florida State University
M.S., Florida State University
B.A., Armstrong State College

Martin, William B. (1980)

Assistant Professor of English
M.A., Duke University
B.A., Armstrong State College

Massey, Carole M. (1976)

Assistant Professor of Nursing
M.S.N., Medical College of Georgia
B.S.N., Medical College of Georgia

Mazzoli, Andrew J. (1981)

Assistant Professor of Respiratory Therapy
M.H.S., Medical University of South Carolina
B.S., State University of New York Medical Center

McManus, William C., Capt. (1987)

Head of Military Science Department
Assistant Professor of Military Science
B.B.A., Auburn University

***Megathlin, William L. (1971)**

Dean of Academic and Enrollment Services
Professor of Criminal Justice
Ed.D., University of Georgia
M.Ed., University of Georgia
B.A., Presbyterian College

Miller, Mary (1970)

Assistant Professor of Nursing
M.S.N., Medical College of Georgia
B.S.N., Medical College of Virginia

Moore, Richard H. (1988)

Associate Professor of Criminal Justice
Ph.D., University of Nebraska
B.A., University of Colorado

Munson, Richard E. (1972)

Professor of Mathematics and Computer Science
Ph.D., Rutgers University
M.S., Rutgers University
B.A., Houghton College

***Murphy, Dennis D. (1981)**

Head of Government Department
Professor of Criminal Justice
J.D., University of Florida
Ph.D., University of Florida
M.Ed., University of Florida
B.A., University of Florida

***Newberry, S. Lloyd (1968)**

Professor of Education
Ed.D., University of Georgia
M.Ed., University of Georgia
B.S.Ed., University of Georgia

Noble, David (1969)

Associate Professor of German and Latin
Ph.D., McGill University
A.M., Boston University
A.B., Boston University
Diploma Litterarium Latinarum, Pontificia Universitas Gregoriana

Nordquist, Richard F. (1980)

Assistant Professor of English
M.A., University of Leicester
B.A., State University of New York

Norsworthy, Gary (1980)

Dean, Coastal Georgia Center
Ph.D., Florida State University
M.A., Florida State University
B.A., Florida State University

Norwich, Vicki H. (1980)

Assistant Professor of Mathematics and Computer Science
M.Ed., Armstrong State College
B.S., Middle Tennessee State University

Iefsky, Elliot H. (1971)

Associate Professor of Psychology
 Ed.D., University of South Carolina
 Ed.S., Georgia Southern College
 Ed.M., Temple University
 B.S., University of Georgia

Imiotto, Michael J. (1987)

Associate Professor of Criminal Justice
 Ph.D., University of Pittsburgh
 M.P.A., City University of New York
 B.S., Mercy College

Irterson, Robert L. (1966)

Professor of History
 Ph.D., Vanderbilt University
 M.A., University of Kentucky
 B.A., Kentucky Wesleyan

Jagel, Allen L. (1969)

Professor of Biology
 Ph.D., University of South Carolina
 M.A.T., University of North Carolina
 B.A., University of North Carolina

Juden, Ethel B. (1985)

Assistant Professor of Nursing
 M.N., University of South Carolina
 B.S.N., SUNY - Buffalo

Juden, George B., Jr., (1982)

Associate Professor of History
 Ph.D., American University
 M.A., American University
 M.Ed., University of South Carolina
 B.A., Wake Forest

Jymond, Richard (1983)

Professor of English
 Ph.D., Miami University
 M.A., University of Wyoming
 B.A., University of Wyoming

Kapella, James F. (1976)

Dean of Health Professions
 Professor of Nursing
 Ph.D., University of Pittsburgh
 M.S.N., University of Pennsylvania
 B.S.Ed., Temple University

Kee, Steve Y. (1974)

Professor of Political Science
 Ph.D., University of Missouri
 M.A., University of Oregon
 B.A., University of Oregon

Rodgers, Anne T. (1985)

Assistant Professor of Medical Technology
 Ph.D., University of Florida
 M.A.T., University of Massachusetts
 B.A., Ohio Wesleyan University

Roesel, Rosalyn L. (1984)

Associate Professor of Nursing
 Ph.D., North Texas State University
 M.S.N., Medical College of Georgia
 B.S.N., Medical College of Georgia

***Roth, Lorie (1983)**

Associate Professor of English
 Ph.D., Kent State University
 M.A., Kent State University
 B.A., Kent State University

Schmidt, John C. (1979)

Associate Professor of Art
 M.F.A., Ohio University
 B.F.A., Carnegie-Mellon University

Schultz, Lucinda D. (1986)

Assistant Professor of Music
 D.M.A., University of Colorado
 M.M., Colorado State University
 B.S., Dickinson State College

Shipley, Charles (1972)

Professor of Mathematics and Computer Science
 Ph.D., University of Nebraska
 M.S., Georgia Institute of Technology
 M.A., University of Nebraska
 B.A., University of North Dakota

Silcox, Elaine (1972)

Assistant Professor of Nursing
 M.S.N., Medical College of Georgia
 M.Ed., University of Florida
 B.S.N., University of Florida

***Simon, Emma T. (1974)**

Head of Dental Hygiene Department
 Coordinator Health Science Program
 Associate Professor of Dental Hygiene
 Ed.D., University of South Carolina
 M.H.E., Medical College of Georgia
 B.S., Armstrong State College

***Sims, Roy J. (1955)**

Head of Health Science, Physical Education, and Recreation Department
 Professor of Physical Education
 Ed.D., Louisiana State University
 M.S., University of Tennessee
 B.S., David Lipscomb College

Smith, Carolyn G. (1977)

Assistant Professor of Mathematics
M.Ed., Armstrong State College
B.S., Armstrong State College

Smith, Pamela E. (1987)

Instructor of Biology
M.Ed., Armstrong State College
B.S., Armstrong State College

Smith, William J., Jr. (1982)

Assistant Professor of Respiratory Therapy
M.H.S., Armstrong State College
B.S., Medical University of South Carolina

Stegall, John L. (1981)

Vice President for Business and Finance
M.B.A., University of Georgia
B.S., Indiana State University

***Stephens, Jacquelyn W. (1979)**

Professor of Education
Ed.D., University of Oklahoma
M.S., Illinois State University
B.S., Savannah State College

***Stokes, William W. (1967)**

Assistant Dean of Arts, Sciences, and Education
Professor of Education
Ed.D., University of Florida
M.Ed., University of Florida
B.A., University of Florida

***Stone, Janet D. (1975)**

Associate Professor of History
Ph.D., Emory University
M.A., Purdue University
A.B., Randolph-Macon Women's College

Stratton, Cedric (1965)

Professor of Chemistry
Ph.D., University of London

Streater, James, Jr. (1988)

Assistant Professor of Health Science
Ed.D., University of South Carolina
M.Ed., University of South Carolina
B.A., University of South Carolina

***Strozier, Robert I. (1965)**

Head of Languages, Literature, and Dramatic Arts Department
Professor of English
Ph.D., Florida State University
M.A., Florida State University
A.B., University of Georgia

Suchower, John (1969)

Assistant Professor of Drama-Speech
M.A., University of Detroit
B.A., Fairfield University

Tanenbaum, Barbara G. (1972)

Assistant Professor of Dental Hygiene
Ed.D., University of Georgia
M.Ed., Armstrong State College
B.S., Medical College of Georgia

Tapp, Lawrence M. (1959)

Professor of Physical Education
Ed.D., University of Tennessee
M.S., University of Tennessee
B.S., University of Tennessee

Thomas, Holly (1986)

Assistant Professor of Foreign Languages
Ph.D., Florida State University
M.A., Washington State University
B.S., Montana State University

Thorne, Francis M. (1965)

Professor of Biology
Ph.D., University of Georgia
B.S., Stetson University

Tilson, Elwin R. (1982)

Associate Professor of Radiologic Technologies
Ed.D., University of Georgia
M.S., San Francisco State University
B.S., Arizona State University

***Turnipseed, Patricia H. (1986)**

Assistant Professor of Education
Ed.D., University of Alabama
M.A., University of Alabama
B.A., University of Alabama

Vogelsang, Kevin (1988)

Assistant Professor of Music
M.M., University of Cincinnati
B.M., University of Cincinnati

***Warlick, Roger K. (1970)**

Head of History Department
Professor of History
Ph.D., Boston University
B.A., Arizona State University

Welsh, John A., III (1967)

Assistant Professor of English
M.A., Vanderbilt University
B.A., Davidson College

heeler, Ed R. (1987)

Head of Mathematics and Computer Science
Department
Ph.D., University of Virginia
B.A., Samford University

hite, Susan S. (1972)

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M.Ed., University of South Carolina
B.S., Winthrop College

hite, Virginia (1966)

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M.A.T., Emory University
A.B., Vanderbilt University

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B.S., University of Georgia

Williamson, Jane B. (1976)

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M.Ed., Georgia Southern College
B.S.N., University of Georgia

Orthington, Clarke S. (1967)

Professor of Psychology
Ph.D., Emory University
M.A., Northern Illinois University
B.A., University of Arizona

GRADUATE FACULTY

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Ashmore, Henry L. (1965-1982)

President Emeritus

Beecher, Orson (1942-1982)

Professor of History Emeritus

Boney, Madeline (1967-1982)

Professor of History Emerita

Coyle, William (1957-1987)

Professor of Political Science
Emeritus

Davenport, Leslie B., Jr. (1958-1983)

Professor of Biology Emeritus

Davis, Lamar W.

Professor of Business Administration Emeritus

Gadsden, Ida (1956-1981)

Professor of Education Emerita

Harmond, Thelma (1963-1981)

Professor of Education Emerita

Lawson, Cornelia (1972-1987)

Professor of Education Emerita

Newman, John (1968-1987)

Professor of Political Science
Emeritus

Pendexter, Hugh III (1965-1983)

Professor of English Emeritus

Robbins, Paul (1966-1986)

Professor of Chemistry Emeritus

Robinson, Aurelia (1972-1986)

Associate Professor of Education Emerita

Sartor, Herman (1964-1981)

Professor of Education Emeritus

Stanfield, Jule (1952-1981)

Vice President for Business and Finance
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Professor of Mathematics Emeritus

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 University of Georgia — h; B,J,M,S,D
 Atlanta 30332
 Georgia Institute of Technology — h; B,M,D
 Atlanta 30303
 Georgia State University — A,B,J,M,S,D
 August 30912
 Medical College of Georgia — h; A,B,M,D

Senior Colleges

Albany 31705
 Albany State College — h; B,M
 Americus 31709
 Georgia Southwestern College — h; A,B,M,S
 Augusta 30910
 Augusta College — A,B,M,S
 Carrollton 30118
 West Georgia College — h; A,B,M,S
 Columbus 31993
 Columbus College — A,B,M,S
 Clonessa 30597
 North Georgia College — h; A,B,M
 Dalton 31030
 Fort Valley State College — h; A,B,M
 Marietta 30061
 Kennesaw College — A,B
 Marietta 30060
 Southern Technical Institute — h; A,B,M
 Milledgeville 31061
 Georgia College — h; A,B,M,S
 Morrow 30260
 Clayton State College — A,B
 Savannah 31419
 Armstrong State College — h; A,B,M
 Savannah 31404
 Savannah State College — h; A,B,M
 Statesboro 30460
 Georgia Southern College — h; A,B,M,S,cD
 Valdosta 31698
 Valdosta State College — h; A,B,M,S,cD

Two-Year Colleges

Albany 31707
 Dalton State College
 Atlanta 30310
 Atlanta Metropolitan College — A
 Bainbridge 31717
 Bainbridge College — A
 Barnesville 30204
 Gordon College — h; A
 Brunswick 31523
 Brunswick College — A
 Chatham 31014
 Middle Georgia College — h; A
 Dalton 30720
 Dalton College — A
 Douglas 31533
 South Georgia College — h; A
 Gainesville 30503
 Gainesville College — A
 Macon 31297
 Macon College — A
 Rome 30163
 Floyd College — A
 Swainsboro 30401
 East Georgia College — A
 Tifton 31793
 Abraham Baldwin Agri. College — h; A
 Waycross 31501
 Waycross College — A

h — On-Campus Student Housing Facilities Degrees Awarded A — Associate, B — Baccalaureate,

J — Juris Doctor, M — Masters, S — Specialist in Education, D — Doctorate

cD — Doctorate offered in cooperation with a University System university, with degree awarded by the university

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 Robinson, John, III Americ
 Smith, Deen Day Atlan
 Turner, William B. Columb
 Ward, Jackie Atlan
 Yancey, Carolyn Atlan



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NOTES

Armstrong State College Campus Guide

1. ADMINISTRATION BUILDING

Academic & Enrollment Services
Admissions
Alumni Affairs
Business & Finance
Coastal Georgia Center for Continuing Education
Counseling & Career Planning
Financial Aid/Veterans Affairs
President
Registrar
Student Affairs
Vice President and Dean of Faculty

2. VICTOR HALL

Adult Education (GED)
Center for Economic Education
Criminal Justice Training Center
Dean - Arts, Sciences, & Education
Education
Ga. Learning Resources System (GLRS)
Psychology
Speech Clinic

3. GAMBLE HALL

History
Languages, Literature, & Dramatic Arts
Minority Affairs Office
Writing Center

4. JENKINS HALL

Administrative Computing Center
Auditorium
Institutional Research

5. LANE LIBRARY

A-V Services
College Archives
Graphic Arts

6. MEMORIAL CENTER ANNEX

Academic Computing Center
Bookstore
Developmental Studies

7. MEMORIAL COLLEGE CENTER

Cafeteria
Dining Rooms, President & Faculty
Military Science
Student Activities Office
Student Government Association
Student Organizations/Publications

8. HAWES HALL

Biology
Math & Computer Science

9. SOLMS HALL

Chemistry & Physics
Government

10. INFORMATION & SECURITY CENTER

11. FINE ARTS CENTER

Art Gallery
Auditorium
Fine Arts

12. HEALTH PROFESSIONS BUILDING

A.D. Nursing
Auditorium
B.S. Nursing
Dean - Health Professions
Dental Hygiene/Dental Clinic
Health Science
Health Careers Opportunities Program
Medical Technology
Radiologic Technologies
Respiratory Therapy

13. HEALTH & PHYSICAL EDUCATION BUILDING

Athletics
Gymnasium/Pool/Weight Room
Physical Education

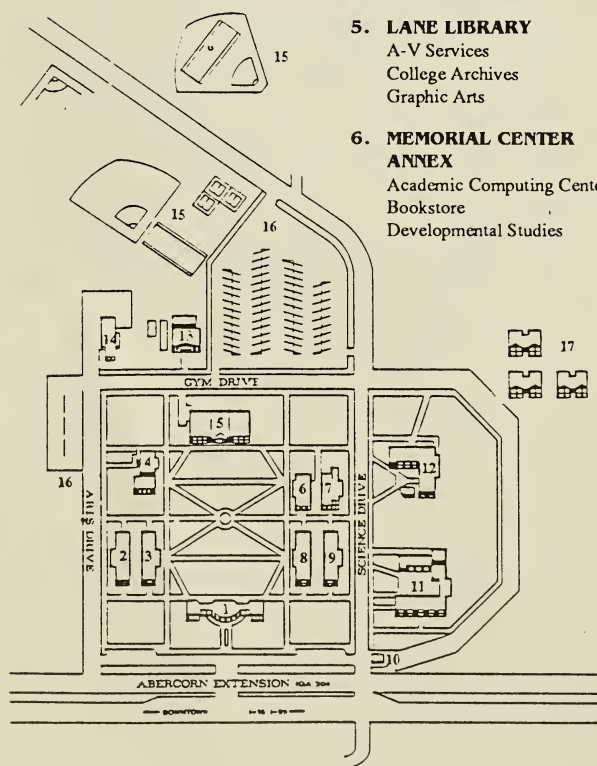
14. PLANT OPERATIONS

Central Stores
Mail Room
Maintenance

15. TENNIS COURTS/ATHLETIC FIELDS

16. STUDENT/VISITOR PARKING

17. RESIDENCE CENTER





Where to Write or Call

There is a central mail room on campus. Specific information may be obtained by writing to , the offices listed below and adding:

Armstrong State College
11935 Abercorn Street
Savannah, GA 31419-1997

In Georgia
(outside Chatham County) Call 1-800-633-2349

ADMISSION

Director of Admissions
927-5277

HOUSING

Director of Housing
927-5269

ALUMNI

Alumni Affairs
927-5264

OFFICE OF MINORITY AFFAIRS

Director of Minority Recruitment
927-5252

ATHLETICS

Director of Athletics
927-5336

PUBLIC INFORMATION

Director of College Communications
927-5263

BUSINESS MATTERS

Vice President for Business & Finance
927-5255

SECURITY

Campus Security
927-5236

CAREER PLANNING & PLACEMENT

Director of Career Planning
and Placement
927-5269

TEACHER CERTIFICATION

Certification Officer
927-5279

CATALOG

Director of Admissions
927-5277

TUITION, PAYMENT OF BILLS, REFUNDS

Vice President for Business & Finance
927-5255

CONTINUING EDUCATION

Coastal Georgia Center for
Continuing Education
927-5322

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COUNSELING

Director of Counseling
927-5269

While the provisions of the Catalog will generally be applied as stated, Armstrong State College reserves the right to change any provision listed in this Catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Offices of the Registrar, the Vice President of Student Affairs, and the academic deans. It is especially important that students note that it is their responsibility to keep themselves apprised of current graduation requirements for their particular degree program.

FINANCIAL AID, GRANTS, LOANS, WORK-STUDY ELIGIBILITY

Director of Student Financial Aid
927-5272

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GENERAL ACADEMIC AND FACULTY MATTERS

Vice President and Dean of Faculty
927-5261

GIFTS, GRANTS & BEQUESTS

Vice President for Student
Affairs & Development
927-5271

GRADUATE STUDY

Director of Admissions
927-5277



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